

Rec'd PCT/PTO 08 JUL 2004

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WO 03/057926

PCT/US03/00657

SEQUENCE LISTING

<110> Hansen, Rhonda

<120> GENE PRODUCTS DIFFERENTIALLY EXPRESSED  
IN CANCEROUS BREAST CELLS AND THEIR METHODS OF USE

<130> 2300-17767WO

<150> 60/345,637

<151> 2002-01-08

<160> 516

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 114

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 70

<223> n = A,T,C or G

<400> 1

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gccagaaggn aaggttcctt cctggtggac tgcagcaaaag ctggctccaa catg 114

<210> 2

<211> 430

<212> DNA

<213> Homo sapiens

<400> 2

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tctgcatgcc caggcccagg actccacctc agacctgac ccagcccac ctctgaacaa 180  
ggtccctctg cagcagaact tgcaggacaa ccaattccag gggaagtggg atgtggtacg 240  
cctggcaggg aatgcaattc tcagagaaga caaagaccg caaaagatgt atgccaccat 300  
ctatgagctg aaagaagaca agagctacaa tgtcacctcc gtcctgttta ggaaaaagaa 360  
gtgtgactac tggatcacga cttttgttcc aggttgccag cccggcgagt tcacgctggg 420  
caacattaag 430

<210> 3

<211> 527

<212> DNA

<213> Homo sapiens

<400> 3

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agttgaatca caatgagacc gttggctttg aatttgagtc gttggttccc atggtgagat 180  
gcttggttaag actttatact tgggtcaatc tctcacttta tttttagtaa ccatttgaaa 240  
tcctaggatg tgcttggtct ggaaggatga catgggccc gactgaacaa gtcagcttga 300  
tgatcttaaa tgatggaagt ataggacgtt gcttatttta aaacaaggga aggacacaaa 360  
atggaatgac tgcttagtcc tttctcagat actcttaaaa caatttttta ttgttaaatt 420  
tgttgtaata catggtcaca accgtggatc aaacaaggtc agtctaaagt ggcaggtcct 480  
aggtgtgacc tgataccacc accctttgtg gcagcaccgg gctggac 527

<210> 4  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 186, 188  
 <223> n = A,T,C or G

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 aggagtgtgg ctaccacttg gccccctctg atctgcgccg ggtcgccaca tactgggtctg 120  
 gagtgggact gactggctcc agacagacca tgttctacac agaggtgaca gatgcccgagc 180  
 gtacgntncc aggtgggggc ctggtggagg aggggtgagct cattgaggtg gtgcacctgc 240  
 ccctggaagg cgcccaggcc tt 262

<210> 5  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 5  
 gccactgaaa atccttggtta aaaaccagat cacaaatctg gggctcttgg tccatttggg 60  
 gaaggaaagg agagcctcaa aataagtgtg caccatgca catattcagg aacagcttgt 120  
 ttagtcttta cactttgcct gaaagtgtct tctcctcgtc cctttgtgtg cctgggtggc 180  
 ctcgccctg tgcgttgga a 201

<210> 6  
 <211> 621  
 <212> DNA  
 <213> Homo sapiens

<400> 6  
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 acatccagat gaccagctct ccattcctccc tgtctgcac tggttgagac agagtccaca 120  
 tcgcttgccg ggcaagtccag agcattggca tctattttaa ttggtatcaa caaaaaccag 180  
 ggaaagcccc taaactcctg atctatgatt catccagatt gcaaagtggg gtcccatcaa 240  
 gggttcagtgg cagtggagggt gggacacact tcaactctac catcagcagt ctgcaacctg 300  
 aagatttagc aacttactac tgtcaacaag ggtacagtac acctggcacc ttcggccaag 360  
 ggacacgact ggaaattaaa cgaactgtgg ctgcaccatc tgtcttcac ttcccgccat 420  
 ctgatgagca gttgaaatct ggaactgcct ctgttggtgt cctgctgaat aacttctatc 480  
 ccagagaggc caaagtacag tgggaagggtg ataacgcctt ccaatcgggt aactcccagg 540  
 aggggtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 600  
 ctgagcaaa g cagactacga g 621

<210> 7  
 <211> 548  
 <212> DNA  
 <213> Homo sapiens

<400> 7  
 gacagcatgg acatgagggg ccccgctcag ctccctggggc tcctgctact ctggctccga 60  
 ggtgccagat gtgacatcca gatgaccag tctccatcct ccctgtctgc atctgttggg 120  
 gacagagtca ccattcgctt cggggcaagt cagagcattg gcattctattt aaattgggtat 180  
 caacaaaaac cagggaagac ccctaaactc ctgatctatg attcatccag attgcaaaagt 240  
 ggggtcccat caaggttcag tggcagtgga ggtgggacac acttcaactc caccatcagc 300  
 agtctgcaac ctgaagattt agcaacttac tactgtcaac aagggtacag tacacctggc 360  
 accttcggcc aagggaacag actggaaatt aaacgaactg tggctgcacc atctgtcttc 420  
 atcttcccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 480  
 aataacttct atcccagaga ggccaaagta cagtgggaagg tggataacgc cctccaatcg 540  
 ggtaactc 548

<210> 8  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 8  
 tatacacaaac atttatttca aactattggg agggatgaga gtggcttaaa aacttccatc 60  
 cctactttttc aagagtgcag ttgattctga atctgaaagc cgcctctgt cctaaaaatac 120  
 aaacaagcac agacattaaa cctggatact atatgataaa gagggatgta actattgaat 180  
 tggatacaag gatcagaatg gaaagaaact cacgatgaaa ttgaacctgg tttttgtata 240  
 tttatcaaac ttgtgctgag aatagtgtct gattatacga cttttaagca aagttaggtg 300  
 taattagggtg aaaacagccc aggtcctccc gggagcacag aggggctagg ggctggctcct 360  
 tctcgtttgc tctagtcttg ctttgctgtc tgggtgtagct cctctgctgc tcccatctgc 420  
 actaattgac 430

<210> 9  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<400> 9  
 ctcaactattt ggaatttggc cctcgaggcc aagaattcgg cacgaggcgg cacgagggtgt 60  
 aactattgaa ttggatacaa ggatcagaat ggaaagaaac tcacgatgaa attgaacctg 120  
 gtttttgtat atttatcaaa cttgtgctga gaatagtgtc tgattatacg acttttaagc 180  
 aaagttaggt gtaattagggt gaaaaacagcc caggtcctcc cgggagcaca gaggggctag 240  
 gggctggtcc ttctcgtttg ctctagtctt gctttgctgt ctggtgtagc tcctctgctg 300  
 ctcccatctg cactaattga cccaaaacgt gggatatttc tgctacacaa aagccaaaag 360  
 gtttcatgta gatttttagtt cactaaagggt tgcccacaaa atagagatta attttaactt 420  
 aaattttaag cttgaagatt aggtactatc tgtgaagtta cacttttttt ttttttttaa 480  
 aaggaaaaaa tgt 493

<210> 10  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<400> 10  
 cggcacgagg tgtaactatt gaattggata caaggatcag aatggaaaga aactcacgat 60  
 gaaattgaac ctggtttttg tatattttatc aaacttgtgc tgagaatagt gtctgattat 120  
 acgactttta agcaaagtgt ggtgtaatta ggtgaaaaca gccaggtcc tcccgggagc 180  
 acagaggggc taggggctgg tccttctctg ttgctctagt cttgctttgc tgtctggtgt 240  
 agtccctctg ctgctcccat ctgcactaat tgacccaaaa cgtgggtatt tcctgctaca 300  
 caaaagccaa aagggtttcat gtagatttta gttcactaaa ggggtgccac aaaatagaga 360  
 ttaattttta cttaaatttt aagcttgaag attaggtact atctgtgaag ttacactttt 420  
 ttattttttt ttaaaggtag agatgtgtgt gtgtgtaggt attaaagatg tg 472

<210> 11  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 11  
 gtttttcttt tttttatata caacatttat ttcaaactat tgggagggat gagagtggct 60  
 taaaaacttc catccctact tttcaagagt gcagttgatt ctggggggga aagccgcct 120  
 ctgtcctaaa atacaaacaa gcacagacat taaacctgga tactatatga taaagaggga 180  
 tgtaactatt gaattggata caaggatcag aatggaaaga aactcacgat gaaattgaac 240  
 ctggtttttg tatattttatc aaacttgtgc t 271

<210> 12  
 <211> 343  
 <212> DNA

<213> Homo sapiens

<400> 12

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gtttttcttt tttttataca caacatttat ttcaaactat tgggagggat gagagtggct 60
taaaaacttc catccctact tttcacgagt gcagctgatt ctgaatctga aagcccgct 120
ctgtcctaaa atacaaacac gcacagacat tagacctgga tactatatga tacagagggga 180
tgtaactatt gaattggata cacggatcac aatggaaaaga aactcacgat gaaattgaac 240
ctggcttttg tatatttatc aaacttgtgc tgagaatagc gcctgattat acgactttta 300
agcaaagctg ggtgtaatta ggtgaaaaca gcccacgtcc tcc 343
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<210> 13

<211> 345

<212> DNA

<213> Homo sapiens

<400> 13

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agtggcgagc aggttccac ttgcaaaga tcccttttaa ccaacactag cccttgtttt 60
taacacacgc tccagccctt catcagcctg ggcagtctta ccaaaatgtt taaagtgatc 120
tcagaggggc ccatggatta acgccctcat cccaagggtcc gtcccatgac ataacactcc 180
acacccgccc cagccaactt catgggtcac tttttctgga aaataatgat ctgtacagac 240
aggacagaat gaaactcctg cgggtctttg gcctgaaagt tgggaatggt tgggggagag 300
aagggcagca gcttattggt ggtcttttca ccattggcag aaacg 345
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<210> 14

<211> 401

<212> DNA

<213> Homo sapiens

<400> 14

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ttttccaagt ccgtttcagt cccttccttg gtctgaagaa attctgcagt ggcgagcagt 60
ttcccacttg ccaaagatcc cttttaacca acactagccc ttgtttttaa cacacgctcc 120
agcccttcat cagcctgggc agtcttacca aaatgtttta agtgatctca gaggggccc 180
tggtattaacg ccctcatccc aagggtccgtc ccatgacata acactccaca cccgccccag 240
ccaacttcat gggtcacttt ttctggaaaa taatgatctg tacagacagg acagaatgaa 300
actcctgcgg ctctttggcc tgaaagtggg gaatggttgg gggagagaag ggcagcagct 360
tattggtggt cttttcacca ttggcagaaa cagtgaagac t 401
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<210> 15

<211> 442

<212> DNA

<213> Homo sapiens

<400> 15

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ggcagccggc ccacatgtct ctcaagtacc tgtcccctcg ctctggtgat tatttcttgc 60
agaatcacca cagagacca tcccggcagt catggttttg ctttagtttt ccaagtccgt 120
ttcagtcctt tccttgggtc gaagaaattc tgcagtggcg agcagtttcc cacttgccaa 180
agatcccttt taaccaacac tagcccttgt ttttaacaca cgctccagcc cttcatcagc 240
ctgggcagtc ttacaaaat gtttaaagtg atctcagagg ggcccatgga ttaacgccct 300
catcccaagg tccgtcccat gacataacac tccacaccg cccagccaa cttcatgggt 360
cactttttct ggaaaataat gatctgtaca gacaggacag aatgaaactc ctgcggctct 420
ttggcctgaa agtgggaatg gt 442
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<210> 16

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 96

<223> n = A,T,C or G



&lt;400&gt; 16

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gaatatgtag atttgcttct taatcctgag cgctacactg gttacaagg accagatgct 60
tggaataat ggaatgtcat ctacgaagaa aactgnntta agccacagac cattaataa 120
ccttaaatcc tttagcttct ggtcaaggga caagtgaaga gaacactttt tacagtggc 180
tagaaggctc ctgtgtagaa aaaagagctt ctacagactt atatctggcc tacatgcaag 240
ccattaatgt gcattt                                     256

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&lt;210&gt; 17

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 17

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attctgtgat ttatttgaaa ctgtgaaacc atgtgccata atagaatttt gagaattttg 60
cttttaccta aattcaagaa aatgaaatta cacttttaag ttagtggtgc ttaagcataa 120
tttttcctat attaaccagt attaaaatct caagtaagat ttccagtgcc cagaacatgt 180
taggtggaat tttaaaagt cctcggcatc ctgtattaca tgcatagaa ttgtaaagtc 240
aacatcaatt actagtaatc attctgcact cactgggtgc atagcatggt tagaggggct 300
agagatggac agtcatcaac tggcggatat agcggtagat atgacctta gccaccagg 360
cacaagctta ccagtagaca atacagacag agcttttgtt gagct 405

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&lt;210&gt; 18

&lt;211&gt; 447

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 18

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tgtgatttca ttgaaaactg tgaaaccatg tgccataata gaattttgag aattttgctt 60
ttacctaaat tcaagaaaat gaaattacac ttttaagtta gtggtgctta agcataattt 120
ttcctatatt aaccagtatt aaaatctcaa gtaagatttt ccagtgccag aacatgttag 180
gtggaatttt aaaagtgcct cggcatcctg tattacatgt catagaattg taaagtcaac 240
atcaattact agtaatcatt ctgcactcac tgggtgcata gcatggttag aggggctaga 300
gatggacagt catcaactgg cggatatagc ggtacatatg atccttagcc accagggcac 360
aagcttacca gtagacaata cagacagagc ttttgttgag ctgtaactga gctatggaat 420
agcttctttg atgtacctct ttgcctt 447

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&lt;210&gt; 19

&lt;211&gt; 294

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 19

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tgtgatttca ttgaaaactg tgaaaccatg tgccataata gaattttgag aattttgctt 60
ttacctaaat tcaagaaaat gaaattacac ttttaagtta gtggtgctta agcataattt 120
ttcctatatt aaccagtatt aaaatctcaa gtaagatttt ccagtgccag aacatgttag 180
gtggaatttt aaaagtgcct cggcatcctg tattacatgt catagaattg taaagtcaac 240
atcaattact agtaatcatt ctgcactcac tgggtgcata gcatggttag aggg 294

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&lt;210&gt; 20

&lt;211&gt; 562

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 20

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aggagcaggt tggactggcc atccgaagca agattgcaga tggcagtggt aagagagaag 60
acataattcta cacttcaaag ctttggagca attcccatcg accagagttg gtccgaccag 120
ccttggaag gtcactgaaa aatcttcaat tggactatgt tgacctctat cttattcatt 180
ttccagtgct tgtaaagcca ggtgaggaag tgatcccaaa agatgaaaat ggaaaaatac 240
tatttgacac agtggatctc tgtgccacat gggaggccat ggagaagtgt aaagatgcag 300
gattggccaa gtccatcggg gtgtccaact tcaaccacag gctgctggag atgacctca 360
acaagccagg gctcaagtac aagcctgtct gcaaccaggt ggaatgtcat ccttacttca 420
accagagaaa actgctggat ttctgcaagt caaaagacat tgttctgggt gcctatagtg 480

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ctctgggcatc ccacgagaa gaaccatggg tggacccgaa ctccccggtg ctcttggagg 540  
 acccagtcct ttgtgccttg gc 562

<210> 21  
 <211> 721  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 626, 685, 696  
 <223> n = A, T, C or G

<400> 21  
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 gaagagagaa gacatattct acacttcaaa gctttggagc aattcccatc gaccagagtt 120  
 ggtcccgaacc agccttggaa aggtcactga aaaatcttca attggactat gttgacctct 180  
 atcttattca ttttccagtg tctgtaaagc caggtgagga agtgatccca aaagatgaaa 240  
 atggaaaaat actatttgac acagtggatc tctgtgccac atgggaggcc atggagaagt 300  
 gtaaagatgc aggattggcc aagtccatcg ggggtgccaa cttcaaccac aggcctgttg 360  
 agatgatcct caacaagcca gggctcaagt acaagcctgt ctgcaaccag gtggaatgtc 420  
 atccttactt caaccagaga aaactgctgg atttctgcaa gtcaaaagac attgttcttg 480  
 ttgcctatag tgctctggga tcccatcgag aagaaccatg ggtggaccgc aactccccgg 540  
 tgctcttgga ggacccagtc ctttgtgcct tggcaaaaaa gcacaagcga accccaccct 600  
 gattgccttg cgctaccagc ttgcancgtg gggttgtggt cctggccaag agcttcaatg 660  
 agcacgcatc agacagaacg tgcangtgtt tgaatncagt tgacttcaga aggagatgaa 720  
 a 721

<210> 22  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<400> 22  
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 tgagaggcag aagaacagac ctataatcttg taaaaaagga aaaaatatta gggaagatga 120  
 tcctgtaaga atgttgcaaa ctgttgcaaa gaaattcgac ttcagtaatt tgagttagtag 180  
 gttagatgga gtcagatttg aaaatgaaaa aaattaatgt tattgccaaag aacactggta 240  
 ataaactgaa gctaagtcag aaaaaatggt tgtttgctag atcccaatgg agaaaagtgt 300  
 gtaactgtc ctcgtcagggt ctctgtctct caccataaag acattgctct gtctttggtt 360  
 gctgcaagtg atggagctac agtctgtgtt accacaaggg gagatattta cttacttgca 420  
 gactatcagt gcaagaagat ggcttctaaa cagttgaact tgaaaaaagt tcttgtgtct 480  
 gggggtcata tggaaat 496

<210> 23  
 <211> 549  
 <212> DNA  
 <213> Homo sapiens

<400> 23  
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 aaactgttgc aaagaaattc gacttcagta atttgagtag taggttagat ggagtcagat 180  
 ttgaaaatga aaaaaattaa tgttattgcc aagaacactg gtaataaact gaagctaagt 240  
 cagaaaaaat ggttgtttgc tagatcccaa tggagaaaag tgtgtaactg ctctcgtca 300  
 ggtctctgct cttcaccata aagacattgc tctgtctttg gttgctgcaa gtgatggagc 360  
 tacagtctgt gttaccacaa ggggagatat ttacttactt gcagactatc agtgcaagaa 420  
 gatggcttct aaacagttga acttgaaaaa agttcttgtg tctgggggtc atatggaata 480  
 caagggttgat cctgaacatt tgaaagaaaa tgggggtcaa aaaatttgca ttcttgcaat 540  
 ggatggagc 549

<210> 24

<211> 55  
 <212> DNA  
 <213> Homo sapiens

<400> 24  
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<210> 25  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 25  
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 ttagcgtcaa gacatttgc gaactcagca cattcgggac caatatatag tgggtacatc 120  
 aagttcatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180  
 ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240  
 ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg tgtctgcctt 300  
 ccaaaatgctc attgtctact cctagaagaa ccaaatacct caatttttgg ttttgagtac 360  
 tgtactatcc tgtaaatata tcttaagcag gtttgttttc agcactgatg gaaaatacca 420  
 gtgttggtgt ttttttttagt tgccacagtt gtatgtttgc tgattattta tgacccgaaa 480  
 aatatatttc ttctccta 498

<210> 26  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<400> 26  
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 gcagtcagag caacagctgg cccagttgac acaacagctg gccagacag agcagcacct 180  
 gaacaacctg atggcccagc tggacccctt ttttgagccg tgtgactact ctggctggag 240  
 cccagcagga gcttctgaac atgaagctat ggaccatcca cgagctgctg caagatagca 300  
 agccggacaa ggatatggag gcttc 325

<210> 27  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 27  
 gaatccagca tcttaaagtt gcatatgtgt agcactaatg tttcttttta aatagttggg 60  
 ggaaaatgac ctagaaaacc aaattgcagt ttggtagcca aaattaactc ttgggtttatt 120  
 tgtcctttgt gtgtgaaaag tcctactatt ccgtgcgtca gacttc 166

<210> 28  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 28  
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 tcggagagaa ccaggaatgg cggagtgtct aacagcagcg cgggtagtgt tgatgccgtg 120  
 aatgcaggac catccaggtc ctcaaagtct gcgaggtttg ttcataatcc caaacaaggg 180  
 ccctgctggc agcaacagga cagggtggggc caggacaggg aagctggagc aggaggccag 240  
 tgtcttttgg ggctgtggca gggccgcctg cctgggggtc cttactcat ctggtagttc 300  
 atgcaggcca cggccctcat ctcccaggaa cgggccatgg ggcgagtcca ctggtgcca 360  
 gtaacacctt ccgtgggacc accttgggaa gcatgtgccg cggagtcac cacggggggg 420  
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 caggaggtag aggtgagcac c 501

<210> 29  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<400> 29  
 cgtcccggag gtgCGgtgtg gggcaccggg cggggccgCG ggaaccggcg cccacggag 60  
 ctgctgctgt cagaccaacc cggggccccc atcatcactg cgccgcgctt tcaggcgccg 120  
 agaactaccg ttcccggcat gccatgaaa 149

<210> 30  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<400> 30  
 agcagtaaac agggctgcta tgcctgctct gtagtggtgg acggcgaagt aaagcattgt 60  
 gtcataaaca aaacagcaac tggctatggc ttgcccagc cctataactt gtacagctct 120  
 ctgaaagaac tgggtgtaca ttaccaacac acctcccttg tgcagcaca cgactccctc 180  
 aatgtcacac tagcctacc agtatatgca cagcagagcg gatgaagcgc ttactctttg 240  
 atccttctcc tgaagttcag ccaccctgag gcctctggaa agcaaaggcg tcctctccag 300  
 tctgatctgt gaattgagct gcagaaacga agccatcttt ctttggtatg gactagagct 360  
 ttctttcaca aaaaagaagt aggggaagac atgcagccta aggctgtatg atgaccacac 420  
 gttcctaagc tggagtgtct atcccttctt tttctttttt tctttggttt aattt 475

<210> 31  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<400> 31  
 cttttttttt tttttttttt tactggcatc ctgtacattt acttttaaaa aaggataaca 60  
 aaaatgaata ttaacaaaaa tccgggacaa caatatcttc aagcaacaaa aactgggggtg 120  
 gggaagctta ttctgaaggc acattttaaaa ctgaaataac aacttaatga aaattaagaa 180  
 ttgcatagcg ctgtgaattt agccttcagc aaaacaaaac agaagctatt tggattatgat 240  
 acaaatccat ctatttgata gttagtcatc caatattatg tacatatctt atatactgaa 300  
 tgtcatttta agtcctgttt tccaaactcc attttctgt tgctgggttt ttgttttttg 360  
 acaagttaaa cactttctgg cactttctat gacagaattt cttctgaaca tacatgaact 420  
 gacattctcc caaagcgtcc cttgtgagtg gacgcgcctt tctgtctacat atcgttcatt 480  
 tgttacaaaa tgaaataatc cacagtgcga tgtgtctggg tccaccgtgc acagcaacat 540  
 ccaggctaaa ccaggctgga ccaaaccctc 570

<210> 32  
 <211> 645  
 <212> DNA  
 <213> Homo sapiens

<400> 32  
 tccgagcgtc gggagcctgt ggaagagaag agcgcgcggg cgacagttaa acaggcccca 60  
 ggcagagaaa ccgccctagc agctctcgcg cgcccgggtg aggcggcggt tgctgaggag 120  
 gtccgtgcac agactgcttt gcctgttggt gctcttcgga ggcggcgatc cccgaaggcg 180  
 agctgaaata cggctgcagg ctacaatttg cagccgacga ttaaggaaga cgacgagcgg 240  
 gagaggtggc ccaccctcat ggagcgcttg tgctcggtat gcttcgcatt tccccattac 300  
 tacattaaac cgtatcatct gaagaggatc cacagagctg tcttacgtgg taatctggag 360  
 aaactgaagt accttctgct cagctattat gacgccaata agagagacag gaaggaaaag 420  
 actgccctac atttggcctg tgccactggc caaccggaaa tggtagatct cctgggtgtc 480  
 agaagatgtg agcttaacct ctgcgaccgt gaagacagga cacctctgat caaggctgta 540  
 caactgaggc aggaggtctg tgcaactctt ctgctgcaaa tggcgccgat ccaaataatta 600  
 cggatgtctt tggaaaggact gctctgcact acgctgtgta taatg 645

<210> 33  
 <211> 572

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 33

```

ctaactgagt aacattcatg aaatgaggct ttctgtggcg gcgtagtggt ttggaattaga 60
aggtaattca gtagagtgtg acttagagaa tattgcaagt gacacattga atcctgcccg 120
tcagggcacc ttttcctcag agcaatccgg ccacacgaat agaaggctgt cgtgaatcac 180
atcagatgta aaatcattcc ttctgtttac tcttttaatt ttcattccttt gcaggtagtg 240
caaattcaac ttcaaataatg gtgtagggtt tgctagattc catatttttt tcttggattt 300
ttgctaatta tttttagcaa aaaatttttg ctccagtggca ccctccctag tgtccatggg 360
ttagggccat gctggggaaa acgggcccgt atttacacac gcgcaaaaca cccagagacg 420
gcacaaggag gttgaactca tgtttcagtt cgcgaacatt gactccttac gaaagtcaact 480
tcatttctaac tagatgcgcc cacttctggt cattatttcg ttgcatgat gtattgcttc 540
ttcacgtttt gtttttattg agcacggagt ag

```

&lt;210&gt; 34

&lt;211&gt; 701

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

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<222> 34, 41, 43, 52, 58, 72, 180, 204, 205, 211, 214, 228, 243,
253, 269, 271, 295, 315, 343, 429, 439, 457, 483, 517, 529,
546, 554, 555, 557, 560, 561, 565, 627, 632, 637, 644, 655,
659, 662, 672, 680, 689, 690, 698

```

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 34

```

ggcacgaggc taactgtgta acatttatga aatntgctct ntntggcggc gnaggggncg 60
gaatgagaag gnaattcagt agagtgtaac ttagagaata ttgcaaggga cacattgaat 120
cctgcccgtc agggcacctt ttcctcagag caatccggcc acacgaatag aaggctgcgn 180
gaatcacatc agatgtaaaa tcannccctc ngngnactct tttaattntc atcctttgca 240
ggnagggcaa atncaacttc aaatatggng naggttttgc tagattccat atttntttct 300
tggatttttg ctaantattt ttagcaaaaa atttttgctc agnggcaccc tccctagtgt 360
ccatgggtta gggccatgct ggggaaaacg ggccggtatt tacacacgcg caaaacaccc 420
agagacggna caaggaggnt gaactcatgt ttcagtnccg gaacattgac tccttacgaa 480
agncaactca ttctaactag atgcgcccac ttctggncat tattacgant gcatgaagga 540
ttgctncttc acgnntnggn nttantgagc acgggagtag aaattccagg gctggcttga 600
catcttccct gcattgctcc tcccagngga cngtcctcc cttncacatg agganctgnc 660
gnccatggtg gntttctccn ttgggcctnn tgggactngg a

```

&lt;210&gt; 35

&lt;211&gt; 300

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

```

gctaactgag taacattcat gaaatgaggc tttctgtggc ggcgtagtgt ttggaattag 60
aaggtaattc agtagagtgt aacttagaga atattgcaag tgacacattg aatcctgccc 120
gtcagggcac cttttcctca gagcaatccg gccacacgaa tagaaggctg tcgtgaatca 180
catcagatgt aaaatcattc cttctgttta ctcttttaat tttcattcctt tgcaaggtag 240
gcaaattcaa cttcaaatat ggtgtagggt ttgctagatt ccatattttt ttcttggatt 300

```

&lt;210&gt; 36

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 36

```

tggtacgcct gcaggtagcg gtccggaatt cccgggtcga cccacgcgtc cggaggggtc 60

```

```

ctggagaatg ggttacccca gttgtcttat ttaaattggtt acccatcaga ttttaatttt 120
atcttctctt tgagagcttg gtaataagaa gcacttaaat cactccaaag aagactttta 180
aaagggagca gtgaaaaggt ctttaataatt tattgattga attaagaaat actagctaat 240
taagaatctg agtctaaaca gcacagattt ttcttttctg cttttaaatt gtgttttaaa 300
aaaagagaca gggggctggg cgtggtggct cacgcctgta atcctagcac tttgggaggg 360
cgaggcgggt ggat                                     374

```

<210> 37  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

```

<400> 37
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tttaatttta tcttctcttt gagagcttg taataagaag cacttaaatc actccaaaga 120
agactttaaa aagggagcag tgaaaaggct ttaataattt attgattgaa ttaagaaata 180
ctagctaatt aagaatctga gtctaaacag cacagatttt ttctttctgc ttttaaatgg 240
tgttttaaaa aaagagacag ggggctgggc gtggtggctc acgcctgtaa          290

```

<210> 38  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

```

<400> 38
gccctttcga gcggccgccc gggcaggtag ctgggattac aggcacccac caccacgcct 60
ggctaatttt tttttgtatc ttttagtagg ttttgccatg ttggccaggc tggcttttaa 120
ctctacctc gtgatccacc cgctcggcc ccccaaagtg ctaggaccac aggcgtgagc 180
caccacgccc agccccctgt ctctttttt aaaacacaat taaaagcag aaagaaaaaa 240
tctgtgctgt ttagactcag attcttaatt agctagtatt tcttaattca atcaataaat 300
tattaagacc ttttactgc tcccttttta aagtcttctt tggagtgatt taagtgttc 360
ttattaccaa gctctcaaag agaagataaa attaaatct gatgg          405

```

<210> 39  
 <211> 736  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, 17, 18, 19, 20, 21, 22,  
 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,  
 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50,  
 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64,  
 65  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80,  
 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94,  
 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107,  
 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 119, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636,  
 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648,  
 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660,  
 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671  
 <223> n = A,T,C or G

<221> misc\_feature

<222> 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683,  
684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695,  
696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707,  
708, 709, 710, 711, 712, 713, 714, 729, 736

<223> n = A,T,C or G

<400> 39

```
gnnnnnnnnnn gacnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
nnnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnna 120
cctgggatta caggcaccaca ccaccacgcc tggctaattt tttttgtat ctttagtagg 180
gttttgccat gttggccagg ctggtcttta actcctacct cgtgatccac ccgcctcggc 240
cccccaaagt gctaggacca caggcgtgag ccaccacgcc cagccccctg tctctttttt 300
taaaacacaaa tttaaaagca gaaaagaaaa atctgtgctg tttagactca gattcttaat 360
tagctagtat ttcttaattc aatcaataaa ttattaagac cttttcactg ctcccttttt 420
aaagtcttct ttggagtgat ttaagtgctt cttattacca agctctcaaa gagaagataa 480
aattaaaatc tgatgggtaa ccatttaaata aagacaactg gggtaaccaca tttctccagg 540
acccctctct gcaacagaga gctattctct tctttggcc tagtaaacct ctgctcttaa 600
cctttaaaaa aaaaaaaaaa gtaccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncatagt 720
ggttcctgng tgaaan 736
```

<210> 40

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34,  
35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48,  
49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62,  
63

<223> n = A,T,C or G

<221> misc\_feature

<222> 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78,  
79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92,  
93, 94, 95, 96, 97, 98, 605, 606, 607, 608, 609, 610, 611,  
612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623

<223> n = A,T,C or G

<221> misc\_feature

<222> 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635,  
636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647,  
648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659,  
660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670

<223> n = A,T,C or G

<221> misc\_feature

<222> 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682,  
683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694,  
695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706,  
707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717

<223> n = A,T,C or G

<400> 40

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nnnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 120
caccacgcct ggctaatttt tttttgtatc ttttagtagg ttttgccatg ttggccaggc 180
tggtctttta ctctacctc gtgatccacc cgctcggcc ccccaaagtg ctaggaccac 240
aggcgtgagc caccacgccc agccccctgt ctcttttttt aaaacacaat ttaaaagcag 300
```

```

aaagaaaaaa tctgtgctgt ttagactcag attcttaatt agctagtatt tcttaattca 360
atcaataaat tattaagacc ttttcactgc tcccttttta aagtcttctt tggagtgtatt 420
taagtgtctt ttattacca gctctcaaag agaagataaa attaaaatct gatgggtaac 480
catttaaata agacaactgg ggtaacccat ttctccagga cccctctctg caacagagag 540
ctattctctt tctttggcct agtaaacctc tgctcttaac ctttaaaaaa aaaaaaaaag 600
taccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnggt 720
atccg                                           725

```

```

<210> 41
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 243, 267
<223> n = A,T,C or G

```

```

<400> 41
ccggaaaaaa agaaccattt ggatacatag gtatggctctg agctatgata tcaattggct 60
tcctagggtt tatcgtgtga gcacaccata tatttacagt aggaatagac gtagacacac 120
gagcatattt cacctccgct accataatca tcgctatccc caccggcgctc aaagtattta 180
gctgactcgc cacactccac ggaagcaata tgaaatgatc tgctgcagtg ctctgagccc 240
tangattcat ctttcttttc accgtangtg gcctgactgg cattgtatta gcaaaactcat 300
cactagacat cgtactacac gacacgtact acgttgtagc ccacttccac tatgtcctat 360
caataggagc tgtatttgcc atcataggag gcttcattca ctgatttccc ctattctcag 420
gctacaccc t agaccaaacc tacgccaaaa tccatttcac tatcatatcc atcg      474

```

```

<210> 42
<211> 540
<212> DNA
<213> Homo sapiens

```

```

<400> 42
cataggtagt gtctgagcta tgatatcaat tggcttccta gggtttatcg tgtgagcaca 60
ccatatattt acagtaggaa tagacgtaga cacacgagca tatttcacct ccgctaccat 120
aatcatcgct atccccaccg gcgtcaaagt atttagctga ctgccacac tccacggaag 180
caatatgaaa tgatctgctg cagtgtctctg agccctagga ttcatctttc ttttcaccgt 240
agggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgtag tacacgacac 300
gtactacggt gtagccact tccactatgt cctatcaata ggagctgtat ttgccatcat 360
aggaggcttc attcactgat ttcccttatt ctccaggtac accctagacc aaacctacgc 420
caaaatccat ttcactatca tattcatcgg cgtaaattcta actttcttcc cacaacactt 480
tctcggccta tccggaatgc cccgacgtta ctccggactac cccgatgcac acaccacatg 540

```

```

<210> 43
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<400> 43
gaccatgagt catttagaat agtgataaat agaatacaca gaatagtgt gaaattcaat 60
ttaaaaaatc acgttagcct ccaaaccatt taattcaaat gaaccatca actggatgcc 120
aactctggcg aatgtaggac ctctgagtgg ctgtataatt gttaattcaa atgaaattca 180
tttaaacagt tgacaaactg tcattcaaca attagctcca gtaaataaca gttatttcat 240
cataaaacag tcccttcaaa cacacaattg ttctgctgaa gagttgtcat caacaatcca 300
atgctcacct attcagttgc tctgtggtca gtgtggctgc atagcagtgg attccatgaa 360
aggagtccat ttagtgatga gctgccagtc cattcccagg ccaggctgtc gctggccatc 420
cattcagtcg attcagtcag aggcgaatct gttctgcccg aggcttgtgg tcaagcaaaa 480
attcagccct gaaatcaggc acatctgttc gttggactaa acccacaggt tagttcagtc 540
aaagcaggca acccccttgt gggcactgac cctgccactg gggtcac      .      587

```



<210> 44  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 491, 541, 556, 561, 568, 578, 585  
 <223> n = A,T,C or G

<400> 44  
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 taaaaaatca cgtaggcctc caaaccattt aattcaaag aacccatcaa ctggatgcc 120  
 actctggcga atgtaggacc tctgagtggc tgtataattg ttaattcaaa tgaaattcat 180  
 ttaaacagtt gacaaactgt cattcaacaa ttagctccag taaataacag ttatttcac 240  
 ataaaacagt cccttcaaac acacaattgt tctgctgaag agttgtcatc aacaatccaa 300  
 tgctcaccta ttcagttgct ctgtggtcag tgtggctgca tagcgtggga ttccatgaaa 360  
 ggagtcattt tagtggtgga gctgccagtc cttcccgggc cgggtgtcgc tgggccatcc 420  
 ttcagtcggt tcgtcatagg cgatctgttc tgcccagagg ttgtggtcag gcaaaattca 480  
 gccctgaatt ngggcactct gttcgttggg ctaaaccccc ggtagtttca gtcaaggcgg 540  
 naaccccctt gtgggnactg ncctggcctt ggggtctnng cggnttgcc gttggggagg 600  
 tttggcccca cggcctctgt gg 622

<210> 45  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<400> 45  
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 cgtatacacc cagatggcct gaagtaactg aagaatcaca aaagaagtga aaaggccctg 120  
 cccgcctca actgatgaca ttccaccatg gtgatttgtt cctgccccac cttaactgag 180  
 tgattaaccc tgtgaatttc cttctcctgg ctccagaagct cccccactga gcaccttg 240  
 acccccgccc ctgcccacca gagaacaacc ccctttgact gtaatttccc atcaccttcc 300  
 caaatcctat aaaacggccc caccctatc tccctttgct 340

<210> 46  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 46  
 aaggcaggaa tgtcaggcct ctgagcccaa gccaaagccat cgcacccct gtgacttgca 60  
 cgtatacacc cagatggcct gaagtaactg aagaatcaca aaagaagtga aaaggccctg 120  
 cccgcctca actgatgaca ttccaccatg gtgatttgtt cctgccccac cttaactgag 180  
 tgattaaccc tgtgaatttc cttctcctgg ctccagaagct cccccactga gcaccttg 240  
 acccccgccc ctgcccacca gagaacaacc ccctttgact gtaatttccc atcaccttcc 300  
 caaatcctat aaaacggccc caccctatc tccctttgct gactctctt ttggactcag 360  
 cccgcctgca cccaggtgaa ataaacagcc atgt 394

<210> 47  
 <211> 246  
 <212> DNA  
 <213> Homo sapiens

<400> 47  
 tagccctgat aggcctatt ttcctcctgg ttttgtattt gaaccgcaag gggataaaaa 60  
 agtggatgca taacatcaga gatgcctgca gggatcacat ggaagggtat cattacagat 120  
 atgaaatcaa tgcggaccgg gggattaaca aacctcagtt ctaactcgga tgtctgagaa 180  
 atattagagg acagaccaag gacaactctg catgagatgt agacttaagc tttatcccta 240  
 ctaggc 246

<210> 48  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 48  
 acatatttcc ttttctcca ttggccacaa tgggctccaa acaaccacat gcagatttta 60  
 caaaaagaaa gttccaaaac tgctcaatca aaagaaagat tcaactctgt gagatgaata 120  
 cacacatcac aacgaagttt ctcagaatgc ttctgtgttg tttttatgtg aagatatttc 180  
 cttttccatc ataggcctct aagtgcacat actatccact tgcagattct acaaaaagag 240  
 tgtttcaaaa ctgctcaatc aaaagaaagt atcaactctg tgaggaaatg cacacatcac 300  
 aaagaagttt ctcagaatga ttctgtgtag ttttta 336

<210> 49  
 <211> 518  
 <212> DNA  
 <213> Homo sapiens

<400> 49  
 cagaagggtc tgcaagatgc tgttcttggc cactttcttt cccacctggg aaggcggcat 60  
 ctatgacttc attggggagt tcatgaaggc cagcgtggat gtgccagacc tgataggctc 120  
 aaacctgtgc atgtcccga atgccggcaa gggagagtag aagatcatgg ttgctgccct 180  
 gggctggggc actgctgagc ttattatgtc ccgctgcatt cccctatggg tcggagcccg 240  
 gggcattgag ttgactgga agtacatcca gatgagcata gactccaaca tcagtctggg 300  
 ccattacatc gtcgcgtctg ctcaggctctg gatgataaca cgctatgatc tgtaccacac 360  
 cttccggcca gctgtcctcc tgctgatgtt cctcagtgtc tacaaggcct ttgttatgga 420  
 gacctctgtc cacctctgct cgctgggcag ttgggcagct ctactggccc gagcagtggg 480  
 aacggggctg ctggccctca acactttggc cctgtatg 518

<210> 50  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<400> 50  
 tctgcaagat gctgttcttg gccactttct tccccacctg ggaaggcggc atctatgact 60  
 tcattgggga gttcatgaag gccagcgtgg atgtgccaga cctgataggc ctaaaccctg 120  
 tcatgtcccg gaatgccggc aaggagagat acaagatcat ggttgctgcc ctgggctggg 180  
 ccactgctga gcttattatg tcccgtgca tccccctatg ggtcggagcc cggggcattg 240  
 agtttgactg gaagtacatc cagatgagca tagactccaa catcagtctg gtccattaca 300  
 tcgtcgcgtc tgctcaggtc tggatg 326

<210> 51  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<400> 51  
 acattgaaaa aagtctagac aaactgaaag gcaataaatc ctatgtgaac atggacctct 60  
 ctccggtggg agagtgcacg gaccacgctc taacaagtct cttccctaag actcattatg 120  
 ccgctggaaa agatgccaaa attttctgga tacctctgtc tcacatgcca gcagctttgc 180  
 aagacttttt attgttgaaa cagaaagcag agctggctaa tccaaggca gtgtgactca 240  
 gctaaccaca aatgtctcct ccaggctatg aaattggccg atttcaagaa cacatctcct 300  
 tttcaacccc attccttacc tgctccaacc g 331

<210> 52  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<400> 52

```

acagaaggga tcgaagacaa attgaaggga gagatgatcg atctccaaca tggcagcctt 60
ttccttagaa caccaaagat tgtctctggc aaagactcta atgtaactgc aaactccaag 120
ctggtcatta tcacggctgg ggcacgtcag caagaggag aaagccgtct taatttggtc 180
cagcgtaacg tgaacatatt taaattcatc attcctaata ttgtaaaata cagcccgaac 240
tgcaagttgc tta                                     253

```

<210> 53  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

```

<400> 53
atcgaagaca aattgaaggg agagatgatg gatctccaac atggcagcct tttccttaca 60
acaccaaaga ttgtctctgg caaagactat aatgtaactg caaactccaa gctggtcatt 120
atcacggctg gggcacgtca gcaagaggga gaaagccgtc ttaatttggt ccagcgtaac 180
gtgaacatat ttaaattcat cattcctaaa gttgtaaaat acagcccga cgtcaagttg 240
cttattgttt caaatccagt ggatatcttg acctacgtgg cttggaagat aagtggtttt 300
cccaaaaacc gtgttattgg aagaggttgc aatctggatt caacccgatt ccgcta 356

```

<210> 54  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

```

<400> 54
ccgctgccgc cgattccgga tctcattgcc acgcgcctcc gacgaccgcc cgacgtgcat 60
tcccgaattcc ttttggttcc aagtccaata tggcaactct aaaggatcag ctgatttata 120
atcttctaaa ggaagaacag acccccaga ataagattac agttggtggg gttggtgctg 180
ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa cttgctcttg 240
ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat ggcagccttt 300
tccttagaac accaaagatt gtctctggca aagactataa tgtaactgca aactccaagc 360
tggtcattat cacggctggg gcacgtcagc aagagggaga aagccgtctt aatttggtcc 420
agcgtaacgt gaacatattt aaattcatca ttcctaatag tgtaaaatac agcccgaact 480
gcaagttgct tattgtttca aatccagtgg atatcttgac ctacgtggct tggaagataa 540
gtggttttcc caaaaaccgt gttattggaa 570

```

<210> 55  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

```

<400> 55
gccgctgccg ccgattccgg atctcattgc cacgcgcctc cgacgaccgc ccgacgtgca 60
ttcccgaattc cttttggttc caagtccaat atggcaactc taaaggatca gctgatttat 120
aatcttctaa aggaagaaca gacccccag aataagatta cagttgttgg ggttggtgct 180
gttggcatgg cctgtgccat cagtatctta atgaaggact tgg 223

```

<210> 56  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

```

<400> 56
gatgcccata agatatggga agctatgtta tcaagccata ttagatatca agcattaata 60
tggaataaaa ccagcctgtt tgggtgggctc ttacatgga cgcgcatgaa atttggtgcc 120
gtgactagga tcgggggacc tcccttggga gatcaatccc ctgtcctcct gctctttgct 180
ccgtgagaaa catgcaccta tggcctcatg ttctcaaacc gaccaaacca agaaacatct 240
caccaatttt aaatccgcct ggcttgtgag gcctttttgac cccaattcaa gtcttttgat 300
accctgtgaa ttgcacccat actgccaga tggctag 337

```

<210> 57  
 <211> 473

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 57

```

aaagatcaaa gtgctgggct ccggtgcgtt cggcacgggt tataagggac tctggatccc 60
agaaggtgag aaagttaaaa ttcccgtcgc tatcaaggaa ttaagagaag caacatctcc 120
gaaagccaac aaggaaatcc tcgatgaagc ctacgtgatg gccagcgtgg acaaccccca 180
cgtgtgccgc ctgctgggca tctgcctcac ctccaccgtg caactcatca cgcagctcat 240
gcccttcggc tgccctcctgg actatgtccg ggaacacaaa gacaatattg gctcccagta 300
cctgctcaac tgggtgtgtgc agatcgcaaa gggcatgaac tacttggagg accgtcgctt 360
gggtgcaccgc gacctggcag ccaggaaacgt actggtgaaa acaccgcagc atgtcaagat 420
cacagatttt gggctggcca aactgctggg tgcggaagag aaagaatacc atg 473

```

&lt;210&gt; 58

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 7

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 58

```

actatcncctc aggacatggg accatgctca gctggttgct atcaagacct tgaagacta 60
taacaacccc cagcaatgga tggaaattca acaagaagcc tccctaattg cagaactgca 120
ccaccccaat attgtctgcc ttctagggtc cgtcactcag gaacaacctg tgtgcatgct 180
ttttgagtat ataatcagg gggatctcca tgagttcctc atcatgagat cccacactc 240
tgatgtttggc tgcagcagtg atgaagatgg gactgtgaaa tccagcctgg accacggaga 300
ttttctgcac attgcaattc agattgcagc tggcatggaa tacctgtcta gtcacttctt 360
tgtccacaag gaccttggca gctcgcaata ttttaatcgg agaggcaact ttcattgtta 420
aggttttcag gacttggggg ctttccagag gaaattttac tccgctgatt tactacaggg 480
tacccaa 487

```

&lt;210&gt; 59

&lt;211&gt; 532

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 59

```

atagaagtct gggaaaaaaa taaaaacaga atttgagaac cttggaccac tctgtccct 60
gtagctcagt catcaaagca gaagtctggc tttgctctat taagattgga aatgtacact 120
accaaact cagtccactg ttgagcccca gtgctggaag ggagggaaggc ctttcttctg 180
tggttaattgc gtaaaggcta caggggttag cctggactaa aggcacctt gtcttttag 240
ctattcacct cagtagaaaa ggatctaagg gaagatcact gtagtttagt tctgttgacc 300
tgtgcacctc ccccttggaa atgtctgctg gtatttctaa ttccacaggc catcagatgc 360
ctgcttgata atatataaac aataaaaaca accttcaact cttcctattg taatcggtg 420
ccatggatct gatctgtacc atgacctac ataaggctgg atggcaccac aggcctgagg 480
ccccaatgta tgtgtggctg tgggtgtggg tgggagtgtg tctgctgagt aa 532

```

&lt;210&gt; 60

&lt;211&gt; 608

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 60

```

tacggccggg atagagtctg gaaaaaataa aaacagaatt tgagaacctt ggaccactcc 60
tgtccctgta gctcagtcac caaagcagaa gtctggcttt gctctattaa gattggaaat 120
gtacactacc aaacactcag tccactgttg agccccagtg ctggaaggga ggaaggcctt 180
tcttctgtgt taattgcgta gaggtacag gggtagcct ggactaaagg catccttgtc 240
ttttgagcta ttcacctcag tagaaaagga tctaaggga gatcactgta gtttagttct 300
gttgacctgt gcacctacc cttggaaatg tctgctgta tttctaattc cacaggtcat 360

```

```

cagatgcctg cttgataata tataaacaat aaaaacaacc ttcacttctt cctattgtaa 420
tcgtgtgcca tggatctgat ctgtaccatg accctacata aggctggatg gcaccccgag 480
ctgagggccc caatgtatgt gtggctgtgg gtgtgggtgg gagtgtgtct gctgagtaag 540
gaacacgatt ttcaagattc taaagctcaa ttcaagtgc acattaatga taaactcaga 600
tctgatca                                     608

```

&lt;210&gt; 61

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 61

```

tagatgacac tgatgattct caccagtctt atgagtctca ccattctgat gaatctgatg 60
aactggtcac tgattttccc acggacctgc cagcaaccga agttttcact ccagtgtgtcc 120
ccacagtaga cacatatgat ggccgaggtg atagtgtggt ttatggactg aggtcaaaat 180
ctaagaagtt tcgcagacct gacatccagt accctgatgc tacagacgag gacatcacct 240
cacacatgga aagcgaggag ttgaatggtg catacaaggc catccccgtt gccagggacc 300
tgaacgcgcc ttctgattgg gacagccgtg ggaaggacag ttatgaaacg agtcagctgg 360
atgaccagag tgctgaaacc cacagccaca agcagtcag attatataag cggaagcca 420
atgatgagag caatgagcat tccgatgtga ttgatagtca ggaactttcc aaagtcagcc 480

```

&lt;210&gt; 62

&lt;211&gt; 440

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 62

```

aggagatccg gcagatgggc actgagtgcc attacttcat ctgtgatgtg ggcaaccggg 60
aggaggtgta ccagacggcc aaggccgtcc gggagaaggt gggtgacatc accatccctg 120
tgaacaatgc cgccgtggtc catgggaagg gcctaattga cagtgatgat gatgccctcc 180
tcaagtccca acacatcaac accctgggcc agttctggac caccaaggcc ttcctgccgc 240
gtatgctgga gctgcagaat ggccacatcg tgtgcctcaa ctccgtgctg gcactgtctg 300
ccatccccgg tgccatcgac taccgcacat ccaaagcgtc agccttcgcc ttcatggaga 360
gcctgaccct ggggctgctg gactgtccgg gagtcagcgc caccacagtg ctgcccttcc 420
acaccagcac cgagatgttc                                     440

```

&lt;210&gt; 63

&lt;211&gt; 589

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 63

```

ggcactgagt gccattactt catctgtgat gtgggcaacc gggaggaggt gtaccagacg 60
gccaaggccg tccgggagaa ggtgggtgac atcaccatcc tggatgaaca tgccgccgtg 120
gtccatggga agggcctaag ggacagtgat gatgatgccc tcctcaagtc ccaacacatc 180
aacaccctgg gccagtcttg gaccaccaag gccttcctgc cgcgtatgct ggagctgcag 240
aatggccaca tcgtgtgcct caactccgtg ctggcactgt ctgccatccc cggtgccatc 300
gactaccgca catccaaagc gtcagccttc gccttcattg agagcctgac cctggggctg 360
ctggactgtc cgggagtcag cgccaccaca gtgctgccct tccacaccag caccgagatg 420
ttccagggca tgagagtcag gtttcccaac ctctttcccc cactgaagcc ggagacgggtg 480
gcccggagga cagtggaaac tgtgcagctc aaccaggccc tcctcctcct cccatggaca 540
atgcatgccc tcgttatctt gaaaagcata cttccacagg ctgcactcg 589

```

&lt;210&gt; 64

&lt;211&gt; 313

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 64

```

gcatattgtg ctccggggaag ggttcttgtc attgtgggaa gtgcatttgt tctgctgaag 60
agtggatatat ttctggggag ttctgtgact gtgatgacag agactgcgac aaacatgatg 120

```

```

gtctcatttg tacaggggaat ggaatatgta gctgtggaaa ctgtgaatgc tgggatggat 180
ggaatggaaa tgcattgtgaa atctggcttg gctcagaata tccttaacaa ttacatgaga 240
gaggctcggg ttcttatttt ttctgggcca ttagaacata taaatgcgaa ggaaaccatg 300
tatattcacc act

```

<210> 65  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

```

<400> 65
tgtgaatcag cagatggcat attgtgctcg ggaagggtt cttgtcattg tgggaagtgc 60
atctgttctg ctgaagagtg gtatatcttct ggggagttct gtgactgtga tgacagagac 120
tgcgacaaac atgatgttct catttgtaca gggaatggaa tatgtagctg tggaaactgt 180
gaatgctggg atggatggaa tggaaatgca tgtgaaatct ggc

```

<210> 66  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

```

<400> 66
ggtacagatt tagagcctgt aatcccagct acttgggagt ctaaggcaag agaatccctt 60
gaacctggga ggtggagatt gcagtgagct gagatcacac cattgcccta cagcctgggt 120
gacagtgaga ctgccccaag aaaaaacaaa agagacagcc ctagtgtatc tgtaagttgc 180
ctttgggtggg tcagtccttc cttttcttaa agaatagtac acattgacag ccaggtagct 240
ctatgatcct gttctataga attcaaaaag tcgacaacct tcctttgttc ctttctgttt 300
tctctgccta cgttagttta aattggcagt gtctctgctg gaataatccc atctctcttc 360
ctggcttctg ctgagatggc tgattaaatc cttgggtcac acccattatc tctttatcaa 420
atgg

```

<210> 67  
 <211> 487  
 <212> DNA  
 <213> Homo sapiens

```

<400> 67
ctgtaatccc agctacttgg gagtctaagg caagagaatc ccttgaacct gggagggtgga 60
gattgcagtg agctgagatc acaccattgc cctacagcct ggggtgacagt gagactgccc 120
caagaaaaaa caaaagagac agccctagtg atcttgtaag ttgcctttgg tgggtcagtc 180
tttccttttc ttaaagaata gtacacattg acagccaggt agctctatga tcctgttcta 240
tagaattcaa aaagtcgaca accttccttt gtctcttctg gttttctctg cctacgttag 300
tttaaatggg cagtgtctct gctggaataa tcccatctct ctccctggct tctgctgaga 360
tggttgatta aatccttggg tcacacccat tatctcttta tcaaattggt gttcaggcta 420
ggctcagtg ttcacgcctg taatcccaac actttgggag actgaggagg gcagatcact 480
tgagctc

```

<210> 68  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens

```

<400> 68
agtgcgcgac cgacgtcaa acgcgcgctc caaccgcag cctcctcctg cctcaccgcc 60
cgaagatggc ggctctcaaa ctctctcctc ccgggcttcg gctctgcgcc tctgcccgcg 120
gatctggggc aacctggtac aagggatgtg tttgttcctt ttccaccagt gctcatcgcc 180
ataccaagtt ttatacagat ccagtagaag ctgtaaaaa catccctgat ggtgccacgg 240
ttttggttgg tggttttggg ctatgtggaa ttccagagaa tcttatagat gctttactga 300
aaactggagt aaaaggacta actgcagtca gcaacaatgc aggggttgac aattttggtt 360
tggggctttt gcttcggtcc aagcagataa aacgcattgt ctcttcatat gtgggagaaa 420
atgcagaatt tgaacgacag tacttatctg gtgaattaga agtggagctg acaccacagg 480
gcacacttgc tg

```

<210> 69  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 69  
 tttttttttt tttttttttt tccctttata aggcgatgta cataaatctg aggaatatgg 60  
 atgtcttctg gagcaaatgc tccaatatcc acaatttctt caacctctac cactgtgggt 120  
 tctgcagctt tgcacattgg caagttgaaa ttccttgac ttttctgaa aatcacgttt 180  
 cctgctcggg cgccttcca ggctttcacc aaagcaaat cccctgtaat tgcttcctcc 240  
 aaaataaagt gctgaccatt gaactccctc acctctcttg gcttattggc aatggcaaca 300  
 ctgccatctt tgttgatatt gatgggcgat cctccttctt gtaccagggt cccataccct 360  
 gttgggggtg aaaatgcagg aactccagcc ccgcctgcac ggatcctctc agcaagtgtg 420  
 ccctgtgggtg tcagctccac ttctaattca ccagataagt actgtcgttc aaattctgca 480  
 ttttctccca cata 494

<210> 70  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<400> 70  
 catgatgtat tacaaggagg ccttctggaa gaagaaggat tactgtggct gcatgatcat 60  
 tgaagatgaa gatgctcaa tttcaataac cttggatgac accaagccag atgggtcact 120  
 gcctgccatc atgggcttta ttcttgcccg gaaagctggt cgacttgcta agctacataa 180  
 ggaaataaag aagaagaaaa tctgtgagct ctatgccaaa gtgctgggat cccaagaagc 240  
 ttacatccca gtgcattatg aagagaagaa ctggtgtgag gagcagtact ctgggggctg 300  
 ctacacggcc tacttccctc ctgggatcat gactcaatat ggaagggtga ttcgtcaacc 360  
 cgtgggcagg attttctttg cgggcacaga gactgccaca aagtggagcg gctacatgga 420  
 aggggcagtt gaggctggag aacgagcagc tagggaggtc tt 462

<210> 71  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens

<400> 71  
 catgatgtat tacaaggagg ccttctggaa gaagaaggat tactgtggct gctgatcatt 60  
 gaaaatgaag atgctcaatt tcaataacct tggatgacac caagccagat ggggtcactgc 120  
 ctgcccattc gggcttcatt cttgcccgga aagctgggtc acttgctaag ctacataagg 180  
 aaataaggaa gaagaaaaatc tgtgagctct atgccaaaat gctgggatcc caagaagctt 240  
 tacatccagt gcattatgaa gagaagaact ggtgtgagga gcagtactct gggggctgct 300  
 acacggccta cttccctcct gggatcatga ctcaatatgg aagggtgatt cgtcaaccgc 360  
 tgggcaggat tttctttgcg ggcacagaga ctgccacaaa gtggagcggc tacatggaag 420  
 gggcagttga ggctggagaa cgagcagcta gggaggtctt aaatggtctc gggaagggtga 480  
 ccgagaaaga catctgggta caagaacctg aatcaaagga cgttccagcg gtagaaatca 540  
 cccacacctt ctgggaaagg aacctgccct ctgtttctg cctgctgaag atcattggat 600  
 ttccacatca gtaactgccc tggggc 626

<210> 72  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 72  
 tgggtgaactg gtcacatcat aaaaagggtt ttactacatc tattcccaaa catactttcg 60  
 atttcaggag gaaataaaaag aaaacacaaa gaacgacaaa caaatggtcc aatatattta 120  
 caaatacaca agttatcctg accctatatt gttgatgaaa agtgctagaa atagttgttg 180  
 gtctaaagat gcagaatatg gactctattc catctatcaa gggggaatat ttgagcttaa 240  
 ggaaaatgac agaatttttg tttctgtaac aaatgagcac ttgatagaca tggaccatga 300  
 agccagtttt ttcggggcct ttttagttgg ctaactgacc tggaaga 348

<210> 73  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 122, 123  
 <223> n = A,T,C or G

<400> 73  
 tcaactcagt ggaacacggt tctcccaaac agattttgta attccgaaaa ccacgcatgc 60  
 gcaaacatac gcatacactc ccatgttcct ggacagttta tagctaccat aacctggcat 120  
 tnnccaaaac ataccatggt agactcttgg atacacaagg taattttaga gccacattag 180  
 gatgaacctt ctgaaaaagt tatgcat 207

<210> 74  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<400> 74  
 gagcttaagg aaaatgacag aatttttgtt tctgtaacaa atgagcactt gatagacatg 60  
 gaccatgaag ccagtttttt cggggccttt ttagttggct aactgacctg gaaagaaaaa 120  
 gcaataacct caaagtgact attcagtttt caggatgata cactatgaag atgtttcaaa 180  
 aaatctgacc aaaacaaaca aacagaaaac agaaaaacaaa aaaacctcta tgcaatctga 240  
 gtagagcagc cacaaccaaa aaattctaca acacacactg ttctgaaagt gactcactta 300  
 tcccaagaaa atgaaattgc tgaaagatct ttcaggactc tacctcatat cagtttgcta 360  
 gcagaaatct agaagactgt cagcttccaa acattaatgc aatggttaac atcttctgtc 420  
 tttataatct actccttcta aagactgtag aagaaagcgc aacaatccat ctctcaagta 480  
 gtgtatcaca gtagtag 497

<210> 75  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 96  
 <223> n = A,T,C or G

<400> 75  
 tgagcttaag gaaaatgaca gaatttttgt ttctgtaaca aatgagcact tgatagacat 60  
 ggaccatgaa gccagttttt tcggggcctt tttagntggc taactgacct tggaaagaaa 120  
 aagcaataac ctcaaagtga ctattcagtt ttcaggatga tacactatga agatgtttca 180  
 aaaaatctga ccaaaacaaa caaacagaaa acagaaaaaca aaaaaacctc tatgcaatct 240  
 gagttagagca gccacaacca aaaaattcta caaca 275

<210> 76  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 76  
 gacagaaggg gcctctccgc cccgcgtcca gctcgcccag ctcgcccagc gtccgccgcg 60  
 cctcggccaa ggcttcaacg gaccacacca aaatgccatc tcaaatggaa cacgccatgg 120  
 aaaccatgat gtttacattt cacaatttcg ctggggataa aggctactta acaaaggagg 180  
 acctgagagt actcatggaa aaggagttcc ctggattttt ggaaaaatcaa aaagaccttc 240  
 tggctgtgga caaaataatg aaggacctgg accagtgtag agatggcaaa gtgggcttcc 300  
 agagcttctt ttccctaatt gcgggcctca ccattgcatg taatgactat tttgtagtac 360



acatgaagca gaagggaaaag aagtaggcag aaatgagcag ttcgctcctc cttgataaga 420  
 gttgtcccaa aggggtcgctt aaggaatctg cccacacagct tcccccatag aaggatttca 480  
 tgagcagatc aggacactta gcaaatgtaa aaataaaaatc taactctcat 530

<210> 77  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<400> 77  
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 gtttacattt cacaattcgt ctggggataa aggtacttta acaaaggagg acctgagagt 180  
 actcatggaa aaggagtttc ctggattttt ggaaaaatca aaagaccctc tggctgtgga 240  
 caaaataatg aaggacctgg accagtgtag agatggcaaa gtgggcttcc agagcttctt 300  
 ttccctaatt gcgggcctca ccattgcatg taatgactat t 341

<210> 78  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 78  
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 tgtttacatt tcacaaattc gctggggata aaggctactt acaaaaggag gacctgagag 180  
 tactcatgga aaaggagttc cctggatttt tggaaaatca aaaagaccct ctggctgtgg 240  
 aaaaaataat gaaggacctg gaccagtgtg gagatggcaa agtgggcttc cagagcttct 300  
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<210> 79  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 79  
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 gcattagaac aaaccatgct gggtaataa attgcctcat tcgtaaacaa aaaaaaaaaa 120  
 aaaaaaaaaa agtttttttt ttttcccccc attttttatt ttttttcccc c 171

<210> 80  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<400> 80  
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 gtcttcctcc acctcctttg catctttgct cacatgccag cttctcctgg gcttcacaga 120  
 ccaccaattt ataatttcca tttaaaactt ccattttatt tttttaattt ttattttatt 180  
 atttatttat tacgagatgg ggtttcgctc ttgttgccca agattgcacc actgactgac 240  
 agcctgggtg acagagcgag actttgtcaa aaagaaagaa agaaagaagg aaaggaagga 300  
 aggaaggaag gaaggaagga aaagaaaaga aagggaagaa aaaaagaaaa agaaagaaag 360  
 aaagaaaaaa aaaaaaaagg ggggcccc 389

<210> 81  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 81  
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 ggaagaatgc agcaatagat tcctagaaac tgcccatgag gataaagtgg ttcacgcatg 120

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gtgggggatt cactgattca gtttgcatag taatggagaa gctgtagaac aatgtggaag 180
aagctgaggt tgtggaacac actgaataaa ataaaggcag tgtgactcca aattcagcca 240
tctgaattgt ttaaatttgc tagtggattt tgtctactgt gcagaaatat atatgtctaa 300
tgtgcagaaa tatatatgtg tgtatgtgtg tatatatatg cacacacaca cagataatgc 360
ttccagtga tgtgaacttc ttttccctgt ggcactgatt gacagacttg tgctgatcca 420
ttattacttt                                     430

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<210> 82  
 <211> 556  
 <212> DNA  
 <213> Homo sapiens

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<400> 82
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ccactgtcct gtataaattt gttacccaag atagtgactg gtatgaaagg agagggaaga 180
gggtgacaga tggaaacgat tgctgtagga cagtccatct ggccagatgc ggtgggggag 240
gggagaagaa gtgggagaga gatggctcta cagatgctcc catgggtaaa tgatgggtgc 300
atccctccct gcagtcgggc tgtgcctgaa cttcacagtc ctctaagagg tgtcattcag 360
gccacctcac tcagcctatg cccaacccca ctcactttcc ctttccttat gggctgcccc 420
cgcaactgac ttccatggtg attggttctc attagggcct ttgtttctac accagcctta 480
gatcattaag acaaagacgt acttgctacc ctcatagcac ataacaacgc ctggcagatg 540
aaaatcaaac aaaaag                                     556

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<210> 83  
 <211> 543  
 <212> DNA  
 <213> Homo sapiens

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<400> 83
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caactgaagc aatacttcta cgagaccaag tgcaatccca tgggttacac aaaagaaggc 120
tgcaggggca tagacaaaag gcattggaac tcccagtgcc gaactacca gtcgtacgtg 180
cgggccctta ccatggatag caaaaagaga attggctgac gattcataag gatagacact 240
tcttgtgtat gtacattgac cattaaaagg ggaagatagt ggatttatgt tgtatagatt 300
agattatatt gagacaaaaa ttatctattt gtatatatac ataacagggt aaattattca 360
gttaagaaaa aaataatttt atgaactgca tgtataaatg aagtttatac agtacagtgg 420
ttctacaatc tattttattg acatgtccat gaccagaagg gaaacagtca tttgcgcaca 480
acttaaaaag tctgcattac attccttgat aatgttgtgg tttgttgccg ttgccaagaa 540
ctg                                     543

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<210> 84  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

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<400> 84
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aggctccctgt atcaaaaggc caactgaagc aatacttcta cgagaccaag tgcaatccca 120
tgggttacac aaaagaaggc tgcaggggca tagacaaaag gcattggaac tcccagtgcc 180
gaactacca gtcgtacgtg cgggccctta ccatggatag caaaaagaga attggctggc 240
ga                                     242

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<210> 85  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

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<400> 85
tttttttttt tttttttttt tctttttttt tttttttttt tttattatta attatcttct 60
ttattaatac tcacatgtaa cctttgcttt ttacacaaaa gtctgcttta gaagaatgcc 120
tcctcggtct atcatgcca atggggcttt ttgtttcttg accacttccc ctttctccac 180

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ccccaccccc acatccaaat tactcttaac atgttcacag ataccacgaa tatattttaa 240  
 acaagatttg gggtactgga acttgatttc attaacatcc cacttcaaaa tggaaggcag 300  
 gtggaggaca gggtaaagaa taggagaaag aggacaagag aaggcaaaaga 350

<210> 86  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400> 86  
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 aggttccagc atgtaaagag ctgggagggc ggagaattct tagcatacat tcagacgttt 180  
 tttctgcaca ataataagtc catctgtcac ttgcattcca ctttttgtaa catagaaaga 240  
 gtctgaccct ttaatccaaa aggtcttttt acattgtgaa tgctgtggga aggcaatttc 300  
 tctgcacaca agaggctacg ttttggaagt gatgtatgtt atttgatgac tgaaaatgaa 360  
 ctgtaaatgc tcctagagta tttcctctg ctgaacaaaa ttaaacttca aaaaaatcta 420  
 acagtaacac acccctgctt ggaccctt 448

<210> 87  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<400> 87  
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 catctgagtt aggttccagc atgtaaagag ctgggagggc ggagaattct tagcatacat 180  
 tcagacgttt tttctgcaca ataataagtc catctgtcac ttgcattcca ctttttgtaa 240  
 catagaaaga gtctgaccct ttaatccaaa aggtcttttt acattgtgaa tgctgtggga 300  
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 tgaaaatgaa ctgtaaatgc tcctagagta tttcctctg ctgaacaaaa ttaaacttca 420  
 aaaaaatcta acagtaacac acccctgctt ggacccttag ctatatgcat tttatgtgac 480  
 cttgccatgc ttcagtgaac atactaattc tatgtctagc acatgttgat ttcctatgta 540  
 ttctgggtat tctattaaag gaaactttga actatgtcaa aaaaaa 586

<210> 88  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 88  
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 ttagccacca ggtactcttt aaacagtttt ccttatcaga ggccctcctg tgctggtgac 120  
 ccagcatctg agtttaggtc cagcatgtaa agagctggga gggcggagaa ttcttagcat 180  
 acattcagac gttttttctg cac 203

<210> 89  
 <211> 548  
 <212> DNA  
 <213> Homo sapiens

<400> 89  
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 ttccgccaac gctacgagat cctggcgagg aatgccatcc ccaaaggctt catggacggg 120  
 aagcaggcct gcattctcat gatcaaagcc ctggaacttg accccaactt atacaggata 180  
 gggcagagca aaatcttctt ccgaactggc gtccctggcc acctagagga ggagcgagat 240  
 ttgaagatca ccgatgtcat catggccttc caggcgatgt gtcgtggcta cttggccaga 300  
 aaggcttttg ccaagaggca gcagcagctg accgccatga aggtgattca gaggaactgc 360  
 gctgcctacc tcaagctgcg gaactggcag ttgtggaggg ttttcaccaa agtgaagcca 420  
 ctgctgcagg tgacacggca ggaggaggag atgcaagcca aggaggatga actgcagaag 480  
 accaaggagc ggcagcagaa ggcagagaat gagcttaagg agctggaaca gaagcactcg 540

cagctgac

548

&lt;210&gt; 90

&lt;211&gt; 595

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 90

tgcaatgggg	tgctggaagg	cattcgcac	tgccggcagg	gcttcccca	ccgcatcg	60
ttccaggagt	tccgccaacg	ctacgagac	ctggcggcga	atgccatccc	caaaggcttc	120
atggacggga	agcaggcctg	cattctcatg	atcaaagccc	tggaacttga	ccccaactta	180
tacaggatag	ggcagagcaa	aatcttcttc	cgaactggcg	tcctggccca	cctagaggag	240
gagcgagatt	tgaagatcac	cgatgtcatc	atggccttcc	aggcgatgtg	tcgtggctac	300
ttggccagaa	aggcttttgc	caagaggcag	cagcagctga	ccgccatgaa	ggtgattcag	360
aggaactgcg	ctgcctacct	caagctgcgg	aactggcagt	ggtggagggt	tttcacaaaa	420
gtgaagccac	tgctgcagg	gacacggcag	gaggaggaga	tgagggcca	ggaggatgaa	480
ctgcagaaga	ccaaggagcg	gcagcagaag	gcagagaatg	agcttaagga	gctggaacag	540
aagcactcgc	agctgaccga	ggagaagaac	ctgctacagg	aacagctgca	ggcag	595

&lt;210&gt; 91

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 91

tgacagagca	agacttggtt	tcaaaaaaga	gaaacacagt	tgccctcca	tatctgagtt	60
tcacagacga	aaaatattca	gaagaaaaaa	aaatcaatgg	ctgtatttgt	actaaacatg	120
cccaggcttt	ttttcttatt	gttatccctt	aaacaataca	acaactattt	ttatagcatt	180
tacattgtat	tagatgttat	aactactcta	aagaggattt	aaagtatatg	gaatgatgtg	240
cataggttat	atgcaaatat	tatactatct	atatcaggga	cttgagcatc	cttggatttt	300
ggtatgtgtg	ggaggtcctg	aaaccaatgt	cctgtggata	ctgaaggata	actgtactaa	360
tttgagagatt	tctctctact	atgatcaaga	ttttcaaaca	ttacattgct	gattacatta	420
catcgttaca	ttgtgattct	ttccaagact	tgagataaag	tttgggaaga	agtaccactt	480
gtttcagttt	atgaaata					498

&lt;210&gt; 92

&lt;211&gt; 510

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 92

aaacacagtt	ggccctccat	atctgagttt	cacagacgaa	aaatattcag	aagaaaaaaa	60
aatcaatggc	tgtatttgta	ctaaacatgc	ccaggctttt	tttcttattg	ttatccccta	120
aacaatacaa	caactatctt	tatagcattt	acattgtatt	agatgttata	actactctaa	180
agaggattta	aagtatatgg	aatgatgtgc	atagggtata	tgcaaatact	atactattta	240
tatcagggac	ttgagcatcc	ttggattttg	gtatgtgtgg	gaggtcctga	aaccaatgtc	300
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tttcaaacat	tacattgctg	attacattac	atcgttacat	tgtgattctt	tccaagactt	420
gagataaagt	ttgggaagaa	gttaccactt	gtttcagttt	atgaaataga	aaaaaaaaaa	480
aggggtaaa	catgaaataa	aaacctaacc				510

&lt;210&gt; 93

&lt;211&gt; 299

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 93

tggtatcccc	gggctgcagg	aattcggcac	gagcagaagt	gcctgagacg	cggagacatg	60
gctggtgtta	aatggagcta	ttcaatagca	gtgacgcgct	ctcctcagcc	accaaatgtc	120
cctgacaccc	tccccagccc	ccacagataa	catcagctga	ggtttttttc	agtatgaacc	180
tgtcctaaat	caattcctca	aagtgtgcac	aaaactaaag	aatataaata	aacaaaagaa	240
aggtgaaaaa	aaaaaaaaaa	aaaaaaactc	gggggggggc	ccgggccccca	attccccct	299

<210> 94  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 163, 189, 219, 222, 225, 226, 228, 233  
 <223> n = A,T,C or G

<400> 94  
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 acgcgctctc ctcagccacc aaatgtccct gacaccctcc ccagccccc cagataacat 120  
 cagctgaggt ttttttcagt atgaacctgt cctaaatcaa ttntcctaaag tgtgcacaaa 180  
 actaaagant ataaataaac aaaagaaagg tgaaaaaana anaannanaa aana 234

<210> 95  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<400> 95  
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 gcaagggtaca aaagaaggat cccaaggaat gggcagctca gtaccgagag gcgatggaag 180  
 cagattttgag ggctgcagct gaggctgcag ctgaagccaa ggctagggcc gagattagag 240  
 ctcgaatggg cattgggctc ggctcggaga atgctgccgg gccctgcaac tgggacgaag 300  
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 cccaagagag tggcagtgcc agcactggtg ccagtaccag taccaataac agtgccagtg 420  
 ccagtgccag caccagtggg ggcttcagtg ctggtgccag cctgaccgcc actctcacat 480  
 ttgggctctt cgctggcctt ggtggagctg gtgccagcac cagtggcagc tctg 534

<210> 96  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 96  
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 ctggcttgaa gagaaagact ggcaggatta acaatatcta aaatctcact tgtaggagaa 180  
 accacaggca ccagagctgc cactggtgct ggccaccagct ccaccaaggc cagcgaagag 240  
 cccaaatgtg agagtggcgg tcaggctggc accagcactg aagccaccac tgggtgctggc 300  
 actggcactg gcactgttat tggtagctgt actggcacca gtgctggcac t 351

<210> 97  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<400> 97  
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 aaagtagaag atgtgagtg agttgagatt gttggaggca ctacacgaat tccagctgtg 180  
 aaggaaagaa ttgccaaatt ctttgaaaaa gatattagca caaactcaa tgcagatgaa 240  
 gcagtagcca gaggatgtgc attacagtgt gcaatacttt ccccggcatt taaagttaga 300  
 gaattttccg tcacagatgc agttcctttt ccaatatctc tgatctggaa ccatgattca 360  
 gaagatactg aaggtgttca tgaagtcttt agtcgaaacc atgctgctcc tttctccaaa 420  
 gttctcacct ttctgagaag ggggcctttt gagctagaag ctttctattc tgatccccc 480  
 ggagttccat atccagaagc aaaaataggc cgctttgtag ttcagaatgt ttctgcacag 540  
 aaagatggag aaaaatctag agtaaaagtc aaagtgcgag tcaacaccca tggcattttc 600

accatctcta

610

&lt;210&gt; 98

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 98

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tttttttttt tttttttttt tagcattatc atcttaccct ctgtctcaat atacatgtta 60
agaaggtctt tccctaactg ccagaccaag ttggcttcaa taggcagctc aacattcacc 120
acctttatct tgggcttttt agcttctgga ggctgggtcaa cttttttttc atttgctttg 180
tcagcatctg ggattttgtt ttcttctgag gtaagttcag gtgaaggggg agactgtgag 240
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tcagaagaca ttctattctc ctcaagtggg actttctcca ccatagatgc cgtagagatg 420
gtgaaaatgc catgggtgtt gactcgcact ttgactttta ctctagattt ttctccatct 480
ttctgtgcag aaacattctg aactacaaag cggcctattt ttgcttctgg atatggaact 540
ccttggggat c 551

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&lt;210&gt; 99

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 99

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tgtggggctc tatttttgc tttgtttct ggtgagagag tgaggaagca ttctttcctt 60
cactaagttt gtctttcttg tcttctggat agattgattt taagagacta agggaattta 120
caaaactaaag attttagtca tctgttgaa aaggagactt taagattgtt tagggctggg 180
cggggtgact cacatctgta atcccagcac tttgggaggc caaggcaggc agaacacttg 240
aaggagtctg agaccagcgt ggccaacgtg gtgaaaccct gtctctacta aaaatacaaa 300
aattgttttag ctctgttttt cataatagaa atagaaaagg taaaattgct ttctttctga 360
aaagaacaag tattgttcat ccaagaaggg tttttgtgac tgaatcagca gtgcctgccc 420
tagtcatagc tgtgcttcaa aaacctcagc atgattagtgt ttggagcaaa acaaggaagc 480
aaagcaaata ctgtttttga aattctatct gttgcttgaa ctattttgta ataattaaac 540
tttgatgttg 550

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&lt;210&gt; 100

&lt;211&gt; 300

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 100

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ctaagcttta agatttaaaa aatgttcaat gttgaaattt ctgtggggct ctatttttgc 60
tttggctttc tggtagagaga gtgaggaagc attctttcct tcaactaagt tgtctttcct 120
gtcttctgga tagattgatt ttaagagact aagggaattt acaaactaaa gatttttagtc 180
atctgttgga aaaggagact ttaagattgt ttagggtggg gcgggggtgac tcacatctgt 240
aatcccagca ctttgggagg ccaaggcagg cagaacactt gaaggagtgc aagaccagcg 300

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&lt;210&gt; 101

&lt;211&gt; 583

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 101

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gttttagtca tgagcatgct gttgtctaga gtgggcgggg atgacgtggt tggagtgggt 60
gcgctgctct gtacttgatt tttttgagtc tgaaattagc tttccaggct ggggcaggga 120
ggggagcaca ggtggatcag tactgcccc aagcgggtga gctttgggtg tggatcaaat 180
actgctgccg cctgtctgca caaacatatt tctctcttcc agcccttcag aagtgtattg 240
gaatatgtcg ataacaataa tgatgggtgt gaagatgatg atgatgtggg taattctggc 300
taccttattg ggtccaagct cccacaatt cgttgacaaa agcactctac atacattctc 360
tttagtctcg atcaaaccac ctttcagagt aggatttagt gtcctatttt aaagatgaag 420

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gagctcgggc tcagagagag atcgtttaga cacacacaca actttggaat gaaacattta 480  
 cagccgggcg cgggtggcgcg tgcctgtagt cccagctact tgggaggctg aggtgaggag 540  
 atcgcttgag tccaggaggt ctgggctgta gtgcgctatg ccg 583

<210> 102

<211> 517

<212> DNA

<213> Homo sapiens

<400> 102

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 gatggaaatt ctatgatgct gatgattatc acccgaggga aaatcgaagg aagatgggaa 180  
 aaggcatacc gctcaatgac caggaccgga ttccatggct ctgtaacttg catgacattt 240  
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 cgtacagaga catattaaca caaggaaaag atgggtgtagc tctgaagtgt gaggagtcgg 360  
 gaaaggaagc aaagcaggct gagatgcagc tcctgggtgt ccatctgagc gggtcgtttg 420  
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<210> 103

<211> 590

<212> DNA

<213> Homo sapiens

<400> 103

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 ctgatcattt gatttggtta tagatgaatt taaacttcaa ttttaagcttg acttttaaaa 180  
 ctccccctct gcttcctgat gaaccagcat aattcctaaa attacacctt aacaagtctg 240  
 tcttgacaca ttgggggttg cctttagaaa catttagaat ctattatggg caaggcggct 300  
 ggaacgaggt ttgggatggc acaatgattt atgcttagtt ctgtttggac cactgataca 360  
 aaatcattgt catttcattt ttagggtttc cataattgta gcaattatct ctgaacatt 420  
 tttgtccaca cttatttgga taaagttttc tggagctgct gggggctcca gagtctcaaa 480  
 ctgggactgc aataattcag ggggcataaa atgtccctct cttttgagta agcgtccaga 540  
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<210> 104

<211> 116

<212> DNA

<213> Homo sapiens

<400> 104

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<210> 105

<211> 574

<212> DNA

<213> Homo sapiens

<400> 105

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 agcaacatca agaaatgcta caatagagca gcttactgta ttctgcagta ctctatacca 180  
 ctacaaaaac agtcataaag agcttaacat actcagcata acgatcgtgg tctacttttt 240  
 gcaagccatg tatctttcag ttacattctc ccagttgatt acattccaaa tagcttttag 300  
 ataatcaggc ctgacatttt tatactgaag gtagtaagcg tgctcccaca caccaatccc 360  
 cagcagtgga ataaggcctg ttgttccttg cagtggatcc tgatttggac aagcagcaat 420  
 ttgtaagtgt ccccgcttct tattgaaacc aagccaaccc caacctgagc cttggacacc 480  
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<210> 106  
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 <212> DNA  
 <213> Homo sapiens

<400> 106  
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 cttatagggt tttcagtatg taccaggctt gatgcacatc ttagaagaca ggacattatc 180  
 ttgctgggat cattagggtg tgatcagcat aacgatcgtg gtttactttt tgcaagccat 240  
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 cctgacattt ttatactgaa ggtagtaagc gtgctccac acatcaatcc ccagcagtg 360  
 aataaggcct gttgttcctt gcagtggatc ctgatttgga caagcagcaa tttgtaagt 420  
 tccccgttcc ttattgaaac caagccaacc ccaacctgag cttggacac caac 474

<210> 107  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<400> 107  
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 cgaacaccaa agtccgggaa ctttaagcatt ttcggtttct agggttgtta cgaagctgca 120  
 ggagcgagat ggaggtggac gcaccgggtg ttgatgttcg agatggtctc cgggagcggc 180  
 gaggtcttag cgaggggagg aggcagaact tcgatgtgag gcctcagttc ggggcaaagt 240  
 ggcttcccaa acactcctac tggttggacc tctggctttt catccttttc gatgtggtgg 300  
 tgtttctctt tgtgtatttt ttgccatgac ttgttcgctg atatctaaat taagaagttg 360  
 gttcttgagt gaattctgaa aatggctaca aacttcttga ataaagaaga caggactctc 420  
 aatagaagaa tttcacatct ccaagggacc ctctctttca ttttacaact tgttactaat 480  
 ttgcagaact ctattaattg ggtaggattt caccatttcc tagcta 526

<210> 108  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<400> 108  
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 agcgagatgg aggtggacgc accgggtggt gatggtcgag atggtctccg ggagcggcga 180  
 ggcttttagcg agggaggagg gcagaacttc gatgtgaggc ctcagtctgg ggcaaattgg 240  
 cttcccaaac actcctactg gttggacctc tggcttttca tccttttctga tggggggggag 300  
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<210> 109  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 109  
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 agcgagatgg aggtggacgc accgggtggt gatggtcgag atggtctccg ggagcggcga 180  
 ggcttttagcg agggaggagg gcagaacttc gatgtgaggc ctcagtctgg ggcaaattgg 240  
 cttcccaaac actcctactg gttggacctc tggcttttca tccttttctga tgtggaggag 300  
 attctctttg tgtatttttt gccatgacct gt 332

<210> 110  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens



&lt;400&gt; 110

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gcaccgggtg ttgatggtcg agatggtctc cgggagcggc gaggctttag cgagggaggg 180
aggcagaact tcgatgtgag gcctcagctc ggggcaaatt ggcttcccaa acactcctac 240
tggttgacc tctggctttt catccttttc gatgtggtgg tgtttctctt tgtgtatttt 300
ttgccatgac ttgttcgctg atatctaaat taagaagttg gttcttgagt gaattctgaa 360
aatggctaca aacttcttga ataaagaaga caggactctc aatagaagaa ttccacatct 420
ccaagggacc cttcctttca ttttacactt tgttactaat ttgcagaact ctattaattg 480
ggtaggattt caccatttcc tagctaagtt cttaaaatta aaccctttgg ttcgtgttta 540
aaaac 545

```

&lt;210&gt; 111

&lt;211&gt; 329

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 111

```

gagtttccgg tgcggcgaac accaaagtcc gggaacttaa gcattttcgg tttctagggt 60
tgttacgaag ctgcaggagc gagatggagg tggacgcacc ggggtgtgat ggtcgagatg 120
gtctccggga gcggcgaggc ttttagcgagg gagggaggca gaacttcgat gtgaggcttc 180
agtctggggc aaatgggctt cccaaacact cctactggtt ggacctctgg cttttcatcc 240
ttttcgatga ggaggtgttt ctctttgtgt attttttgcc atgacttgtt cgctgatatc 300
taaatttaca agttggatct tgagtgaaa 329

```

&lt;210&gt; 112

&lt;211&gt; 284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 112

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gcgcggcgcc tgcctcggc cggcgcctat cagccgactt agaactggtg cggaccaggg 60
gaatccgact gtttaattaa aacaaagcat cgcggaaggc cgcgcggggt gttgacgcga 120
tgtgatttct gccagtgct ctgaatgcca tattaataat aaactttaaa atttaaaagg 180
gggcegtttt tctctgattc ccacccggtt aaaaaccctt ttgggggggg ggccccccc 240
ccctcatggg gcgggggaaa aaggcctttt ttgggaaatt tggg 284

```

&lt;210&gt; 113

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 113

```

gttgaggtc actgtagcgg gacttctttt ggttttcttt ctctttgggg cacctctgga 60
ctcactcccc agcatgaagg cgctgagccc ggtgcgcggc tgctacgagg cgggtgtgctg 120
cctgtcggaa cgcagtctgg ccatcgccc gggccgagg aagggcccg cagctgagga 180
gccgctgagc ttgctggacg acatgaacca ctgctactcc cgcctgcggg aactgggtacc 240
cggagtcctc agaggcactc agcttagcca ggtggaaatc ctacagcgcg tcatcgacta 300
cattctcgac ctgcaggtag tcctggccga gccagcccct ggaccccctg atggccccc 360
ccttcccatc cagacagccg agcccgtctc ggaacttgct atctccaacg acaaaaggag 420
cttttgccac tgactccggc cgtgtcctga cacctccaga acgcaggtgc tggcgcccgt 480
tctgcctggg accccgggaa cctctcctgc cgaagccgg ac 522

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&lt;210&gt; 114

&lt;211&gt; 510

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 114

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gttgaggtc actgtagcgg gacttctttt ggttttcttt ctctttgggg cacctctgga 60
ctcactcccc agcatgaagg cgctgagccc ggtgcgcggc tgctacgagg cgggtgtgctg 120

```

```

cctgtcggaa cgcagtctgg ccatcgcccc gggccgaggg aagggcccg cagctgagga 180
gccgctgagc ttgctggacg acatgaacca ctgctactcc cgcctgcggg aactgggtacc 240
cggagtcctc agaggcactc agcttagcca ggtggaaatc ctacagcgcg tcatcgacta 300
cattctcgac ctgcaggtag tcctggccga gccagcccct ggaccccctg atggcccca 360
ccttcccatc cagacagccg agcccgtcc ggaacttgct atctccaacg acaaaaggag 420
cttttggcac tgactcggcc gtgtcctgac acctccagaa cgcaggtgct ggcgcccgtt 480
ctgcctggga ccccggaac ctctcctgcc
510

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&lt;210&gt; 115

&lt;211&gt; 385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 115

```

aatagtctgt gtccaagaaa ataagaatca cgtcatctag ctgtggacac tgagcaaaaa 60
ggagcagcat gctattaaga tggttgagac acacgagtg acaaagatgg gacaaactgt 120
gcttcgttca agaagtttca tcaagacccc taccgcccc cgtccttcag ctctgtacag 180
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ttccagtga tttacttttgc agtaaaaaata gctgctacat aaatccctcc tgatctctga 300
aaaggagttg catattttcca aaaataatat tcttatttta atcacacaga agaacgtgga 360
gcacaggaag gaaatggctg gctgg
385

```

&lt;210&gt; 116

&lt;211&gt; 645

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 116

```

tacggccggg tcttttaag aggccgggaa tacacatgac tcaggtgctc ttttgaaacg 60
actacaaaag tctccatttt gatcaaaacg ttttctccga atgaatggct ccgatgcttt 120
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gaatcacgct atctagctgt ggacactgag caaaaaggag cagcatgcta ttaagatgg 240
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gacccctacc gcccccgctc cttcagctct gtacagtaac tttagcttta catagagctg 360
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gtcagggaga ggtgagctgt cggagaaaca cagtaaaact aaaaaataaa atccattttg 600
tgtataaact gacttaaacg catgcaaaga agtggaanaac atatg
645

```

&lt;210&gt; 117

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 117

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atgtcgaggg aatgcagaaa gagttaagga aggcaggttg tccttctatt caggccactc 60
ttcgttttcc atgtactgca tgctgtttgt ggcactttat cttcaagcca ggatgaagg 120
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cattcaggga gctctggttg caatattagt tgctgtatat gtatcggtt tcttcaaaga 300
aagaacttct tttaaagaaa gaaaagagga ggactctcat acaactctgc atgaaacacc 360
aacaactggg aatcactatc cgagcaatca ccagccttga aaggcagcag ggtgccagg 420
tgaggctggc ctgttttcta aaggaagatg attgccacaa ggcaagaaga tgcatctttc 480
ttcctggtgt acaagccttt
500

```

&lt;210&gt; 118

&lt;211&gt; 592

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 118

```

taaggaaggc aggttgtcct tctattcagg ccactcttcg ttttccatgt actgcatgct 60
gtttgtggca ctttatcttc aagccaggat gaagggagac tgggcaagac tcttacgccc 120
cacactgcaa tttggtcttg ttgccgtatc catttatgtg ggcctttctc gagtttctga 180
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acttctgctg ctgctatgcc tcttgatgc acactttgtg tgtacatagt tacctttaac 540
tcagtgggta tctaatagct ctaaactcat taaaaaaact ccaagccttc ca 592

```

&lt;210&gt; 119

&lt;211&gt; 197

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

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ggccgccctt tttttttttt tttttttttt ttttttttgg ggaaaagggg gtcttttttg 60
gggtcccccc ccccttttaa aaaaccccc taaaaaatgc ccccaaaaaa aaaaattttt 120
ttttttgggg ggggggaaaa aaagggggaa aaaaccccc cccccgggg ggggaaaaaa 180
acccccccaa aaccccc

```

&lt;210&gt; 120

&lt;211&gt; 493

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 120

```

tttttttttt ttaatggtaa aaactttatt tactatttat aaatacattg caagacaaac 60
ttctcaaaaa tacttttccc cccaaaaagt taaaaaaata aagaaaagct aataggtagg 120
cagaatgtct tgagaccctt ctgttttcaa ggagagctct atgcagcgtg tgtccacacc 180
gaggtctgca gcagggcaga gtctccctga gctgacttt gccagacctt cttgggtttg 240
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tgtatcatat agcatctcta acatttcatc taggattatc tagtatagat cttactatat 360
ttggggctat gttgtatata atgtaacaa gaacatatct tctctgcata tatgtgtgaa 420
ttataaagaa aagcatgaga atgactctaa gtcaacaaa catgggtgaa tctctatgtg 480
ctccagtggt cct

```

&lt;210&gt; 121

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 121

```

tggtagcctt gcagtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcttcctggt 60
ttctgttgct aaatgatgat aatgtgccat gatgttttat atatatcatt cagaaaaagt 120
tttttttttt aataacattc tattaacatt attttgcttg ccgctggcat gcctgaggaa 180
tgtatttggc tttgattaca cactaagttt ttgtaataaa tttgactcat taaaaacctt 240
ttttttttaa aaaaaaaaaa aaaaa

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&lt;210&gt; 122

&lt;211&gt; 186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 122

```

tttctgtttt ctgttgtaaa atgatgataa tgtgccatga tgttttatat atatcattca 60
gaaaaagttt ttttttttaa taacattcta ttaacattat tttgcttgcc gctggcatgc 120
ctgaggaatg tttttggctt tgattacaca ctaagttttt gtaataaatt tgactcatta 180
aaaaac

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&lt;210&gt; 123

<211> 475  
 <212> DNA  
 <213> Homo sapiens

<400> 123  
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 aagagcgggt cggggaagac cagcatgagg tcgataatct tcgccaatta cattgctcgc 180  
 gacacccggc gcctgggggc caccattgac gtggaacact cccacgtccg attcctaggg 240  
 aacctggtgc tgaacctgtg ggactgtggc ggtcaggaca ccttcatgga aaattacttc 300  
 accagccagc gagacaatat cttccgtaac gtggaagttt tgatttacgt gtttgacgtg 360  
 gagagccgcg aactggaaaa ggacatgcat tattaccagt cgtgtctgga ggccatcctc 420  
 cagaactctc ctgacgccaa aatcttctgc ctggtgcaca aaatggatct ggttc 475

<210> 124  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens

<400> 124  
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 ctccagcatg actgagttag accctgtctc aaaaaaaaaa aaaaaaaagt tttttttttt 120  
 tc 122

<210> 125  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 125  
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 ccctttgatg aaacgttacc ctttgac 147

<210> 126  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens

<400> 126  
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 ggtggaatgt ttaaaacacc ataatacagct cagggtatct gccaatctga aataaaaagt 120  
 ggatgggaga gtgtgtcctt cagatcaagg gtactaaaagt ccctttcgct gcagtgagtg 180  
 agaggatgtg tgtgtgtgaa tgtacggatg tgtgtttgcg tgcattgtttg tgcattgttg 240  
 actgtgcatg ttatgtttct ccatgtgggc aaagatttga aatgtaagct tttatttatt 300  
 attttagaat gtgacataat gagcagccac actcggggga ggggaagggt ggtaggtaag 360  
 ctgtaacaga ttgctccagt tgccttaaac tacgcacata gctaagtgac caaacttctt 420  
 gttttgatgtt gaaaaaagtg cattgttttc ttgtccctcc ctttgatgaa acgttaccct 480  
 ttgacgggcc ttttgatgtg aacagatgtt ttctaggaca aactataagg actaatttta 540  
 aacttcaaac attccacttt tgaatttgt tttaattgt tttatgtata gtaagcaca 600  
 ctgtaat 607

<210> 127  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<400> 127  
 attccaatta gccaggaatg gaaggatgag aagcgggatt tgctgactga aggacaaagt 60  
 ttttagcagcc ttgatgaaga agccctggga tcccgacaca ggccagacct ggtccctagc 120  
 actccatcac tgtttgaagc tgcttccttg gcaaccacaa tttcatcttc ttccttatac 180  
 gtcaatgagc actatccaca cgacaggcct acactctatt caaacagcaa agggttacct 240

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tccagttcaa catttacctt ggaagagggg accatctact tgaccgctga gcccaacact 300
ctggaagtgc aggatgacaa tgcttctgtg cttgacgtct atttataagt gaaaatgggtg 360
atcacctaag cacatggatg agacgtgagc acagttatgg cagagaagtt tctccgcacc 420
agaattatcc acagcaactt ggctgagccc cactacacac aga 463
```

&lt;210&gt; 128

&lt;211&gt; 592

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 128

```
ccaattagcc aggaatggaa ggatgagaag cgggatttgc tgactgaagg acaaagtgtt 60
agcagccttg atgaagaagc cctgggatcc cgacacaggc cagacctggg ccctagcact 120
ccatcactgt ttgaagctgc ttccttgga accacaattt catcttcttc cttatacgtc 180
aatgagcact atccacacga caggcctaca ctctattcaa acagcaaagg gttaccttcc 240
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gaagtgcagg atgacaatgc ttctgtgctt gacgtctatt tataagtga aatggtgac 360
acctaaagcac atggatgaga cgtgagcaca gttatggcag agaagtttct ccgcaccaga 420
attatccaca gcaacttggc tgagccccac tacacacaga gaaatcatca acctgactta 480
agagttttca agatgtcaac ttcaggctga tcagcagatg ggatgtgaaa aatactacct 540
tattctatca tttgctgttg cttgtgtaac tgtgaagaac tgcatgaact at 592
```

&lt;210&gt; 129

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 129

```
caattagcca ggaatggaag gatgagaagc gggatttgct gactgaagga caaagtttta 60
gcagccttga tgaagaagcc ctgggatccc gacacaggcc agacctggc cctagcactc 120
catcactgtt tgaagctgct tccttggaac ccacaatttc atcttcttcc ttatacgtca 180
atgagcacta tccacacgac aggcctacac tctattcaaa cagcaaaggg ttaccttcca 240
gttcaacatt t 251
```

&lt;210&gt; 130

&lt;211&gt; 229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 130

```
gtagcagaag cctcattcca gaacccatct ggccagagaa gcagcagcat cctgggggat 60
ggccgtgcat ggggtgtaca ctcgctatag gcataggccc ggcattggctg tcgctggacg 120
ccagctgtgc acaccagcc acacctgctg cagcccgctg tagtgtcgcg ctccgggcct 180
gagcattcgc aaagctcgct tctccaggga gcctcctctt ggctttgga 229
```

&lt;210&gt; 131

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 131

```
cgccataacc tggtcagaag tgtgcctgtc ggccggggaga gaggcaatat caaggtttta 60
aatctcggag aaatggcttt cgtttgcttg gctatcggtt gcttatatac ctttctgata 120
agcacaacat ttggctgtac ttcattctca gacaccgaga taaaagttaa ccctcctcag 180
gattttgaga tagtggatcc cggatactta gggtatctct atttgcaatg gcaaccccc 240
ctgtctctgg atcattttta ggaatgcaca gtggaatatg aactaaaata ccgaacatt 300
ggtagtgaat catgga 316
```

&lt;210&gt; 132

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 37  
 <223> n = A,T,C or G

<400> 132  
 agtcgccata acctggtcag aagtgtgcct gtcggcnggg agagaggcaa tatcaagggtt 60  
 ttaaattctcg gagaaatggc ttctgtttgc ttggctatcg gatgcttata tacctttctg 120  
 ataagcacaa catttggtcg tacttcatct tcagacaccg agataaaagt taaccttcct 180  
 caggattttg agatagtggg tcccggatac ttagggtatc tctatttgca atggcaaccc 240  
 ccactgtctc tggatcattt taaggaatgc 270

<210> 133  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<400> 133  
 ttacatacgt ttttattact cgggggggac ctgtacgtca ccaatgccca gcttcacggg 60  
 ggcatttagt gtgactcacg gctgaacaca aaatcactgt gaagcctgtg ctacagaagg 120  
 atgtccagtc gctgaggcca ggagagagggt gggcaggcct gggctctggca gtggagacgg 180  
 tcctccaggg agccgttggg caggaagccg tacaccaggc agtagaagcc gttctgagca 240  
 cagtagccag caaagtccac aatgtttggg tgacgaaacc tggacagctg ctccacctcg 300  
 gtcaggaagc tctgcttcac tgcagtccac tccaggtcag c 341

<210> 134  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 134  
 attatgtgat taatgatttg acagccgttc caatctccac gtctccagaa gagattccac 60  
 atgggagttt ctcagactga ttcttgacct ctcaatgaaa gtgttgaaac aggatgggaa 120  
 atattttaca caggggaact gtgtcaatct gacagaagca ctgtcgctct atgaagaaca 180  
 gctggggcgc ctgtattgtc ctgtggaatt ttcaaaggag atcgtctgtg tcccttcata 240  
 cttggaattg tgggtatttt aactggtttg gaagaaagct aaacctgaa gatcagtagc 300  
 ccctaatac atgtgctgca aatagccttc ctgacctcca tatgctgtac atgacatcaa 360  
 aatgagtcag gcaattgatt gtgaattcct taaagttttc ctttttttaa taattatttt 420  
 taatttaaaa aagcaaatgg aaaatgtata ttttgatgag cttagg 466

<210> 135  
 <211> 70  
 <212> DNA  
 <213> Homo sapiens

<400> 135  
 agtttttcctt tttttaataa ttatttttaa tttaaaaaag caaatggaaa atgtatatatt 60  
 tgatgagctt 70

<210> 136  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<400> 136  
 tttttttttt tttttttcgg ctcagtataa agcttccttt tcttagggac catgcaaaga 60  
 ttcttttgatt ctagaagtgc catttcatta ttctgtgac tctgtctga atcatctgcc 120  
 aggtaactat cttgattttg tcttagcaat cgacttagca gaccattctt ggagaaagaa 180  
 aaatcctgag gtgaaacagg ctccgattta aagtcttcgg acactggtaa ggcagggtgcg 240  
 cttctctgca cagcaggagc cataccaag aatggggcac tcttagcatc atggctcaag 300  
 tgcacatttg tgtaggaat ttgtaagtca tcacaaggct cagattttat tttcaccatc 360

agtatttggt cacttaaagc tctctctgag tgttcctgag tactttcatc tcttaaggga 420  
gttttctctt ttttttctact ct 442

<210> 137  
<211> 275  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 244  
<223> n = A,T,C or G

<400> 137  
agaaaaatac aaaaaatctg cattaaaaat attaatcctg catgctggac atgtatggta 60  
ataatttcta ttttgtacca ttttctgttt aacttttagca tgttggtgat catggatcat 120  
actcccctgt ttcttgggtg agaagggatc gccagtttgg aaactccggc ggctgcgtgc 180  
ggggtttcag tcccactgta ggcttgtaaa taccgccccg ccaaaccgca tagagacgtg 240  
gcancactga gggctttgtt gggttatata cgtat 275

<210> 138  
<211> 353  
<212> DNA  
<213> Homo sapiens

<400> 138  
taagctcggg attcgggtcg aggaaaaata caaaaaatct gcattaaaaa tattaatcct 60  
gcatgctgga catgtatggt aataatttct attttgtacc attttcttgt ttaacttttag 120  
catgttggtg atcatggatc atactcccct tgtttctttg ggtgagaagg gatcgcagtt 180  
tggaactcc ggcggtgcg tgcgggggtt cagteccagc tgtaggcttg taaatacccg 240  
ccccgccaaa ccgcatagag aacgtggcag caagctgagg gtctttgttt gggtttatta 300  
ttacggtatt tttgtttgta agttaaaaaa aaaaaaaaaa gggggggccc cca 353

<210> 139  
<211> 559  
<212> DNA  
<213> Homo sapiens

<400> 139  
gaatttgccc ctcgaggcca agaattcggc actagggcgc agaaggacca gcagaaagat 60  
gccgaggcgg aagggtgag cggcacgacc ctgctgccga agctgattcc ctccggtgca 120  
ggccgggaggt ggctggagcg gcgcccgcgc accatccggc cctggagcac ctctgtggac 180  
cagcagcgt tctcacggcc ccgcaacctg ggagagctgt gccagcgct cgtacgcaac 240  
gtggagtact accagagcaa ctatgtgttc gtgttccttg gcctcatcct gtactgtgtg 300  
gtgacgtccc ctatgttgct ggtggctctg gctgtctttt tcggcgccctg ttacattctc 360  
tatctgcgca ccttgagtc caagcttgtg ctctttggcc gagaggtgag cccagcgcac 420  
cagtatgetc tggctggagg catctccttc cccttcttct ggctggctgg tgcgggctcg 480  
gccgtcttct ggggtgctgg agccaccctg gtgggtcatcg gctcccacgc tgccttcac 540  
cagattgagg ctgtggacg 559

<210> 140  
<211> 711  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 444  
<223> n = A,T,C or G

<400> 140  
tttttttttt tttttttttg acaccataa cagctttatt ttcaaaggcg ggatccctcc 60

```

ccgggcttgt gatgggacgg cgctgtgggc ccgagcagca aagccgtgca ggacagggcat 120
gggcaggggt ggggcagctg gcccgggagg ccggcaggtc ccaaaagaca cctcacacgg 180
gttccatctg cagctcctcc ccgtccacag cctcaatctg gtggaaggca gcgtgggagc 240
cgatgaccac cagggtggct ccagcacc ccagacggc cgagcccgca ccagccagcc 300
agaagaaggg gaaggagatg cctccagcca gagcatactg atgcgtggg ctacacctc 360
ggccaaagag cacaagcttg gactccaagg tgcgcagata gagaatgtaa caggcgccga 420
aaaagaccag ccagagccac cagnacata ggggacgtca ccacacagta caggatgagg 480
cccaggaaca cgaacacata gttgctctgg tagtactcca cggtgcgtac gaggcgctgg 540
cacagctctc ccaggttgcg ggccgtgag aagcgtgct ggtccacgaa ggtgctccag 600
gggccggatg gtcgcgcggc gccgctccag ccactcccg cctgcacccg gaggaatcag 660
cttcggcagc aaggtcgtgc cggtcagccc ttccgcctcg gcattctttc t 711

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&lt;210&gt; 141

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 141

```

actgcagtc cttcttctct ggctctttt gaggtctatc caaaatagag gaagcatgcg 60
aaatctacgc cagagcagca aacatgttca aaatggccaa aaactggagt gctgctggaa 120
acgcgttctg ccaggctgca cagctgcacc tgcagctcca gagcaagcac gacgcagcca 180
cctgctttgt ggacgctggc aacgcattca agaaagccga ccccaagag gccattaact 240
gtttgatgag agcaatcgag atctacacag acatgggccg attcacgatt gcggccaagc 300
accacatctc cattgctgag atctatgaga cagagttggt ggacatcgag aaggccattg 360
cccactacga gcagtctgca gactactaca aaggcgagga gtccaacagc tcagccaaca 420
agtgtctgct gaaggtggct ggttacgctg cgctgctgga gcagtatc 468

```

&lt;210&gt; 142

&lt;211&gt; 203

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 142

```

cgcaaagtga agaactcgca gtccttcttc tctggcctct ttggaggctc atccaaaata 60
gaggaagcat gcgaaatcta cgccagagca gcaaacatgt tcaaaatggc caaaactgg 120
agtgtgctg gaaacgcgtt ctgccaggct gcacagctgc acctgcagct ccagagcaag 180
cacgacgcag ccacctgctt tgt 203

```

&lt;210&gt; 143

&lt;211&gt; 212

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 143

```

tctgcgggga acagaacatg atcggcatga cgcccacggt catcgctgag cattacctgg 60
ctgaaacgga gcagcgggag aagttcgggc taaagaagcg ggagggggcc tgggagctca 120
tgaagaagg gtagaccag caactggcct tcatacaacc cagctctgcc tttgcggcct 180
tcgtgaaacg ggcaccagc acctggctga cc 212

```

&lt;210&gt; 144

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 109, 128, 153, 161, 167, 174, 175, 178, 196, 202, 206, 211, 213

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 144

```

gaagcacctc attgtgaccc cctcgggctg cggggaacag aacatgatcg gcatgacgcc 60

```



cacgggtcatc gctgtgcatt acctggatga aacggagcag tgggagaant tcggcctaga 120  
 gaagcgggag ggggccttgg agctcatcaa ganggggtac ncccagnagc tggnnnttnag 180  
 acaaccacgc tctgcntttg cnggcnttcg nanaaagggc cccac 226

<210> 145  
 <211> 97  
 <212> DNA  
 <213> Homo sapiens

<400> 145  
 ctgggctgcg gctgatgcgc atccgttttc ctgccctggg catgtgtctc tgaaaccgta 60  
 tggcgggagc tgggcaacgg gcactgctaa gggaggc 97

<210> 146  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 146  
 ggcacgagct catctgtttg cggatcagaa cccgagctgt gcttgtggct gcggctgcta 60  
 actggctgcg cacagggagc tgtcaccatg cctcactcgt acccagccct ttctgctgag 120

<210> 147  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 147  
 ggccgccttt tttttttttt ttttttttcc cccctttttt ttggtggggg ggtttttcca 60  
 aggggttgaa tgggggtttt ttttcccc ttttacccta gaaaaagggg gaggaaaaaa 120  
 ggaacccccg gggaaaaatt tccttttttt ggaaaaattg ggggaccgga aaaaaggggg 180  
 gggaaccccc cccctttttt ttttctttta aaaaattttt ttgcccccaa aaaaaggggg 240  
 gccccctttc ccccccttct tgggccccgg ggg 273

<210> 148  
 <211> 90  
 <212> DNA  
 <213> Homo sapiens

<400> 148  
 cacttcacgc aaggcacatg tgctgtcctg caggctctgca gggaaccgac ccagagagcc 60  
 cagcggcagg ccctggaaca cccgcctctg 90

<210> 149  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<400> 149  
 gacttgtccg ggaatccggt gcttcggatc tactacacct cgaggcctgc tctgttcacc 60  
 ttgtgtgctg ggaatgagct cttctactgc ctccctacc tgttccattt ctctgaggga 120  
 ccttttagttg gctctgtggg actgttccgg atgggcctct gggtcactgc ccccatcgcc 180  
 ttgctgaagt cgctcatcag cgtcatccac ctgatcacgg ccgcccga catggctgcc 240  
 ctggacgcag cagaccgcgc caagaagaag tgacgctgga gccccgggtc ctggctgccc 300  
 acctgccctg ggagtcttgc tgtgccacac agctccccac cccctgctag gaggtcccag 360  
 tctcacgcct tcctcatgtg ttgttctacc tgctgggatg ggggtcagcc tctctttggt 420  
 gacgtcacgt tctctgggat cctgaggacc cgggcctcaa atc 463

<210> 150  
 <211> 693  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 285, 455, 597, 606, 636, 667, 686

<223> n = A,T,C or G

<400> 150

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ggcacgagga gagagagagt cacaagatga tcgacttggt cggaatccg gtgcttcgga 60
tctactacac ctcgaggcct gctctgttca ccttggtgtg tgggaatgag ctcttctact 120
gcctcctcta cctgttccat ttctctgagg gacctttagt tggctctgtg ggactgttcc 180
ggatgggcct ctgggtcact gccccatcg ccttgctgaa gtcgctcatc agcgtcatcc 240
acctgatcac ggccgcccgc aacatggctg ccctggacgc agcanaccgc gccaaagaaga 300
agtgaacgtg gagccccggg tcctggctgc cacctgccct gggagtcttg ctgtgccaca 360
cagctcccca cccctgcta ggaggtccca gtctcacgcc ttctcatgtg gttgttctac 420
ctgctgggat gggggtcagc ctctctttgg tgacntcacg ttcttctggg atcctgagga 480
ccgggcctca aatcaggag gataccggg agggcccctt catccaagcg gtgcttctgg 540
ggtgccggga ccgggcagtg tcacaccctg cctgctagtc ctgggggtcca gatctangga 600
ccttantgaa ggagtgggtg gaggcagttc tgaagnggat aactcgccca caacaagttg 660
ggacatncag aggaaactca actctnacgt ctt                                     693

```

<210> 151

<211> 300

<212> DNA

<213> Homo sapiens

<400> 151

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gagagagaga gtcacaagat gatcgacttg tccgggaatc cggtgcttcg gatctactac 60
acctcgaggc ctgctctgtt caccttgtgt gctgggaatg agctcttcta ctgcctctc 120
tacctgttcc atttctctga gggaccttta gttggctctg tgggactgtt ccggatgggc 180
ctctgggtca ctgcccccat cgcttgctg aagtcgctca tcagcgtcat ccacctgatc 240
acggccgccc gcaacatggc tgccctggac gcagcagacc gcgccaagaa gaagtgacgc 300

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<210> 152

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 37, 41

<223> n = A,T,C or G

<400> 152

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gacttgctcg ggaatccggt gcttcggatc tactacnct ngaggcctgc tctgttcacc 60
ttgtgtgctg ggaatgagct cttctactgc ctctctacc tgttccattt ctctgaggga 120
cctttagttg gctctgtggg actgttcagg atgggcctct gggtcactgc ccccatcgcc 180
ttgctgaagt cgctcatcag cgtcatccac ctgatcacgg ccgcccga catggctgcc 240
ctggacgcag cagaccgcgc caagaagaag tgacgctgga gccccgggtc ctggctgccc 300

```

<210> 153

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 168, 190, 203, 229

<223> n = A,T,C or G

<400> 153  
 gttgccctgc ctctggctcc agaacagaaa gggagcctca cgctggctca caaaaaacag 60  
 ctgacactga ctaaggaaact gcagcatttg cacaggggag gggggtgcct ccttcctaga 120  
 ggccctgggg gccaggctga ttggggggca gattgacata ggccccantc atcagatgtc 180  
 tgaaattcan cacgggggta acntgggggg ttagggacta tttttaaant aggggtggc 239

<210> 154  
 <211> 113  
 <212> DNA  
 <213> Homo sapiens

<400> 154  
 gacacatttg ttacttcgtg agcaagcccg gaggtcggga gccccctgcc gtgttcacag 60  
 gtgacacctt gtttgtggct ggctgcggga agttctatga agggactgcg gat 113

<210> 155  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<400> 155  
 tttttttttt tttttttttt ttttggcggg aataaatact tggttaaactt ctcttataaa 60  
 tatgcattaa aacgtccgat aacacaagcc aagggtctgta aaattaaggt taaatcaaga 120  
 ctgaatttcc cgcacggacc agcaggaaaag ccagttacct aaaagagcct aatccccaaa 180  
 tccgctgaag gtgcaggggc gcctcagtc cggggcatct tgaactggtc cttctccctg 240  
 cgcacggccc gcatggtggt caccgggtcc gtctcactg cgtgctgctg cacc 294

<210> 156  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 156  
 tagccatggc aggacagctc ctggaccagg tctcataatg catgtggcac ttaggtccaa 60  
 gctctccaga gggtgaaagc tggagtctgt caatgtccta ctgagacagc acagccaacc 120  
 tagctagcaa catttgtttt agtctgaaca atatatactt atagaattca gtcaaagata 180  
 cacaatctga aacagcttca tgggtgggac tctaacagta gttgcaatgt tttagaatga 240  
 gacttacttc tctgctatct agatctgaac tccttggett ctttacttag ttcaagcccc 300  
 agcctaggaa agccagttac ataaaagttg gctcaggagt cttagagctt tacctaaata 360  
 gagcccagaa aacggaggat ggggtgggg cgccttcctg gaggtgacac ttgatgggg 419

<210> 157  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 157  
 cgtattgctg tcaagccgtg agctagccat ggcaggacag ctcttgacc aggtctcata 60  
 atgcatgtgg cacttaggtc caagctctcc agagggtgaa agctggagtc tgtcaatgtc 120  
 ctactgagac agcacagcca acctagctag caacatttgt tttagtctga acaatatata 180  
 cttatagaat tcagtcaaag atacacaatc tgaaacagct tcatggggtg gactctaaca 240  
 gtagttgcaa tgttttagaa tgagacttac ttctctgcta tctagatctg aactccttgg 300  
 cttctttact tagttcaagc cccagcctag gaaagccagt tacataaaag ttggctc 357

<210> 158  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 158  
 actttgtatc actgcagcgc ttcacacctt catcctgaag atatctggaa cattcgtagt 60  
 atctgcagca ccaccaatat ccaatgcaag aacggcaaga tgaactgcca tgaggggtga 120

```

gtgaagggtca cagattgcag ggacacagga agttccaggg caccctaactg cagatatcgg 180
gccatagcga gcactagacg tgttgtcatt gcctgtgagg gtaaccacaca ggtgcctgtg 240
cactttgacg gttagatgcc accatgtagg gattatcgcg agtgggttgac cttacactta 300
ctccttaaat agcagtgcag aatgcatttg agctgccccca ggctctgtct cctcagctca 360
tttcttactc tttttctcta tataactcat tctattaaat acattgca 408

```

&lt;210&gt; 159

&lt;211&gt; 550

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 159

```

acaaggacgc caacccccacc tagatgcaaa gcaggattca aaagaacatc tttgcgtttt 60
ctaccggctc cccatcatcg tactaggag gaagaagcgg gtgagaaaca aaacttcttt 120
ccattgtcct gcccttttct gcggacttgt tctgaggccg aggcacctct aagatactga 180
tggtcttgca gaggacccat tcattgcttc tgccttttgc gctgaccctg ctggggctgg 240
ggctgggtcca gccctcctat ggccaggatg gcattgtacca gcgattcctg cggcaacacg 300
tgcaccctga ggagacaggt ggcatgtatc gctactgcaa cttgatgatg caaagacgga 360
agatgacttt gtatcactgc aagcgcttca acaccttcat ccatgaagat atctggaaca 420
ttcgtagtat ctgcagcacc accaatatcc aatgcaagaa cggcaagatg aactgccatg 480
agggtgtagt gaaggtcaca gattgcaggg acacaggaag ttccagggca cccaactgca 540
gatatcgggc

```

&lt;210&gt; 160

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 160

```

ccaacccccac ctagatgcaa agcaggattc aaaagaacat ctttgcgttt tctaccggct 60
ccccatcatc gtactaggga ggaagaagcg ggtgagaaac aaaacttctt tccattgtcc 120
tgcccggttc tgccgacttg ttctgaggcc gaggcacctc taagatactg atggctctgc 180
agaggaccca ttcatgtctt ctgcttttgc tgcctgacct gctggggctg gggctggtcc 240
agccctccta tggccaggat ggcatgtacc agcgattcct gcggcaacac gtgcaccctg 300
aggagacagg tggcagtgat cgctactgca acttgatgat gcaaagacgg aagatgactt 360
tgtatcactg caagcgcttc aacaccttca tccatgaaga tatctggaac attcgtagta 420
tctgcagcac caccaatatc caatgcaaga acggcaagat gaactgccat gaggggtgtag 480
tgaaggtcac agattgcagg gacacagga gttccagggc acccaactgc agatatcggg 540
ccatagcgag cact

```

&lt;210&gt; 161

&lt;211&gt; 313

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 161

```

aattacatct tcttttaaagc caaatgggag atgccctttg accccaaga tactcatcag 60
tcaaggggag tacttgagca ggaaaaagtg ggtaatgggt cccatgatga gtttgcata 120
cctgactata ccttacttcc gggacgagga gctgtcctgc accgtggtgg agctgaagta 180
cacaggcaat gccagcgcac tcttcatcct ccctgatcaa gacaagatgg aggaagtgga 240
agccatgctg ctcccagaga ccctgaagcg gtggagagac tctctggagt tcagagagat 300
aggtgagctc tac

```

&lt;210&gt; 162

&lt;211&gt; 519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 162

```

cggccgcccct tttttttttt tttggcccc cggggcccc ttatttttaa aacccccccc 60
ccccctgggg ggggggcccc gaccttttaa gttttttttt tttcccccg gggaaaaaaa 120
ggggggaaaa aaaaaaaaaa ttcccccccc tttttcccc ccccaaaaaa ggggggggacc 180

```

```

ccccgggggg ggggggggtt cccccggggg gaaaaaaaa acccccgggg gcccccccc 240
aattttttcc cccccccctt tggggggggg gggggggggg gggggggggg gggggcccc 300
cccccccccc ccccccccat tttggggggg tgggttggg gaaatttttt tttaaaaaaa 360
aaaaaaaaaa atttgggggt ccccccccc ctttttttcc cccccctttt ttccaaaagg 420
ggcccccccc ccccccccc caaaaaaacc ccccccccc ccccaaaaaa acccccccc 480
cgggggggga aaaaaaaggg gggggggggg ggcccccc 519

```

&lt;210&gt; 163

&lt;211&gt; 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 163

```

aactaaaaac tacagtggaa gaaaggaagt cttcagaagc ctccccact gcgcaaagaa 60
gtaaagatca cagtaaggaa tgcataaacg ctgccccaga ttctccgtcc aaacagcttc 120
cagaccagat ttcatctctc agtggaaatc catcagttga aatagttcac ggtattatgc 180
acctatataa gacaaataag atgacctcct taaaagaaga tgtgcggcgc agtgccatgc 240
tgtgtattct cacagtccct gctgcaatga ccagtcatga ccttatgaag tttgttgccc 300
catttaacga agtaattgaa caaatgaaaa ttatcagaga ctctactccc aaccaatata 360
tggtgctgat aaagtttcgt gcacaggctg atgcggatag tttttatatg acatgcaatg 420
gc 422

```

&lt;210&gt; 164

&lt;211&gt; 626

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 164

```

tacggccggg tgcgagctct gcggaagcg gttcctggat agtttgcggc tgagaatgca 60
cttactggct cattcagcgg gtgccaaagc ctttgtctgt gatcagtgcg gtgcacagtt 120
ttcgaaggag gatgccctgg agacacacag gcagaccat actggcactg acatggccgt 180
cttctgtctg ctgtgtggga agcgcaccca ggcgagagc gcactgcagc agcacatgga 240
ggtccacgcg ggcgtgcgca gctacatctg cagttagtgc aaccgcacct tcccagcca 300
cacggctctc aaacgccacc tgcgtcaca tacaggcgac caccctacg agtgtgagtt 360
ctgtggcagc tgcttccggg atgagagcac actcaagagc cacaacgca tccacacggg 420
tgagaaaacc tacgagtgca atggctgtgg caagaagtcc agcctcaagc atcagctgga 480
gacgcactat aggggtgcaca caggtgagaa gccctttgag tgtaggctct gccaccagcg 540
ctcccgggac tactcgcca tgatcaagca cctgagaacg cacaacggcg cctcgcccta 600
ccagtgcacc atctgcacag agtact 626

```

&lt;210&gt; 165

&lt;211&gt; 515

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 165

```

gatagtttgc ggctgagaat gcacttactg gctcattcag cgggtgccaa agcctttgtc 60
tgtgatcagt gcggtgcaca gttttcgaag gaggatgcc tggagacaca caggcagacc 120
catactggca ctgacatggc cgtcttctgt ctgctgtgtg ggaagcgcac ccaggcgcag 180
agcgactgc agcagcacat ggaggtccac gcggcgctgc gcagctacat ctgcagtga 240
tgcaaccgca cttccccag ccacacggct ctcaaagccc acctgcgctc acatacaggc 300
gaccacccct acgagtgtga gttctgtggc agctgcttcc gggatgagag cacactcaag 360
agccacaaac gcatccacac gggtgagaaa ccctacagat gcaatggctg tggcaagaag 420
ttcagcctca agcatcagct ggagacgcac tatagggtgc acacagggtga gaagcccttt 480
gagtgtaggc tctgccacca gcgtcccg gacta 515

```

&lt;210&gt; 166

&lt;211&gt; 615

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 166

```

actgttcaag gtttattggg ggttttagtt ggtataacac ttggatagtt ggttgacattg 60
tttgtatgta gatcttttta cattatatgg taatgtacac tactgatata gttcacaaaa 120
taagatcctt tggaagaatt atgcacaaga catgatattg gatattatata ctggatccca 180
ggatgtgact cactgggaaa aaatgttggg ctaggcatgt tcagtgaagg agccaggaag 240
ttatataaca cacggtaaac atccacctgg ctcaaggggc aaatgcagta cgtacagcat 300
tggcagtggt gcgtcagagg tggcagaact atttcacact aaccagttga agactacaca 360
agattaatac catccagcat caggatatag ctgtggattt taaaaacat tcttatttct 420
aacttcagga gttgatgttt ttcccagtc atcttaaaat attactgctt taatcacaga 480
tcagataaaa aggacaacat gcacaacctc cacctagaat cctgtttag cctagacagt 540
gaaatgatat gacatcagaa gactttaaaa ttgcagctcc ttttgatcc cccaaagtgt 600
atctgcactc ttctt 615

```

&lt;210&gt; 167

&lt;211&gt; 99

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 167

```

tttttttttt ccactgttca aggtttattg ggggttttag ttggtataac acttggatag 60
tgggttgcat tgtttgtatg taaatctttt tacattata 99

```

&lt;210&gt; 168

&lt;211&gt; 612

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 168

```

tacggccggg acatgaagga gctaggagtg ggaatagctt tgcgaaaaat gggcgcaatg 60
gccaagccag attgtatcat cacttgtgat ggtaaaaaacc tcaccataaa aactgagagc 120
actttgaaaa caacacagtt ttcttgtacc ctgggagaga agtttgaaga aaccacagct 180
gatggcagaa aaactcagac tgtctgcaac ttacacagatg gtgcattggg tcagcatcag 240
gagtgggatg ggaaggaaag cacaataaca agaaaattga aagatgggaa attagtgtgtg 300
gagtgtgtca tgaacaatgt cacctgtact cggatctatg aaaaagtaga ataaaaattc 360
catcatcact ttggacagga gttaattaag agaatgtcca agctcagttc aatgagcaaa 420
tctccatact gtttctttct ttttttttca ttactgtgtt caattatctt taccataaac 480
attttacatg cagctatttc aaagtgtgct ggattaatta ggatcatccc tttggttaat 540
aaataaatgg gtttgtgcta atatatcttg tatgcattct taaacctta caggaaatta 600
gtgatgagtt tt 612

```

&lt;210&gt; 169

&lt;211&gt; 410

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 169

```

gaaaacaaca cagttttctt gtaccctggg agagaagttt gaagaaacca cagctgatgg 60
cagaaaaact cagactgtct gcaactttac agatggtgca ttggttcagc atcaggagtg 120
ggatgggaag gaaagcacia taacaagaaa attgaaagat gggaaattag tgggtggagtg 180
tgtcatgaac aatgtcacct gtactcggat ctatgaaaaa gtagaataaa aattccatca 240
tcactttgga caggagttaa ttaagagaat gtccaagctc agttcaatga gcaaatctcc 300
atactgtttc tttctttttt ttccattact gtgttcaatt atctttatca taaacatttt 360
acatgcagct atttcaaagt gtgctggatt aattaggatc atccctttgg 410

```

&lt;210&gt; 170

&lt;211&gt; 310

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 170

```

gctcgggaat tgcgtcgagt gctgctcccc acccatggac aggagatcct ggggtgggcc 60
tccctctgat gacccagcc agatgagcga gtggggctca gcgtggccca tgggtgcctgt 120
cactcagcat tcccatgcct gatgtttacc aagtgtctgt ttggacactg gctttctcca 180

```

```

aacaggattt gcctcctcca cgctccctac acacctgaga tgtaaactgg cagtcagtgt 240
tcactcagga cctaggatta gaaaatggca gagttggtgc tggatccacc ttgcacttct 300
atcaagccct                                     310

```

&lt;210&gt; 171

&lt;211&gt; 257

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 171

```

tgctgctccc cagcccatgg acaggagatc ctgggttggg cctccctctg atgaccccag 60
ccagatgagc gagtggggct cagcgtggcc catggtgcct gtcactcagc attcccatgc 120
ctgatgttta ccaagtgctg tgttggacac tgactttctc caaacaggat ttgcctcctc 180
cacgtccctt acacacctga gatgtaaact ggcagtcagt gttcactcag gacctaggat 240
tagaaaatgg cagagtt                                     257

```

&lt;210&gt; 172

&lt;211&gt; 593

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 172

```

tgaagaacgg tgccacttac gaagccaaaa tcaaggatgt ggatgagaaa gcagacatcg 60
cactcatcaa aattgaccac cagggcaagc tgctgtcctt gctgcttggc cgctcctcag 120
agctgcgggc gggagagtgc gtggtcgcca tcggaagccc gttttccctt caaaacacag 180
tcaccaccgg gatcgtgagc accaccagc gaggcggcaa agagctgggg ctccgcaact 240
cagacatgga ctacatccag accgacgcca tcatcaacta tggaaactcg ggaggcccg 300
tagtaaacct ggacggtgaa gtgattggaa ttaacacttt gaaagtgaca gctggaatct 360
ccttttgcaat cccatctgat aagattaaaa agttcctcac ggagtcccat gaccgacagg 420
ccaaaggaaa agccatcacc aagaagaagt atattggtat ccgaatgatg tctactcacgt 480
ccagcaaagc caaagagctg aaggaccggc accgggactt ccagacgtg atctcaggag 540
cgtatataat tgaagtaatt cctgataccc cagcagaagc tgggtgtctc aag          593

```

&lt;210&gt; 173

&lt;211&gt; 304

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 106, 113, 125, 137

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 173

```

gggtcaaaagt tgagctgaag aacggtgcca cttacgaagc caaaatcaag gatgtggatg 60
agaaagcaga catcgactc atcaaaattg accaccaggg caagcngcct gtnctgctgc 120
ttggncgctc ctcagactg cggccgggag agttcgtggt cgccatcgga agccggtttt 180
cccttcaaaa cacagtcacc accgggatcg tgagcaccac ccagcgaggc ggcaaagagc 240
tgggtgctccg caactcagac atggactaca tccagaccga cgccatcatc aactatggaa 300
actc                                     304

```

&lt;210&gt; 174

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 174

```

ggtcagaaga gttgtgcacg cagattagca ggccaaggtc tgagccacag cagcattttt 60
atttcagatt ttgataactg tttatatgtg ttgaaaacca aaatgacatc tttttaaagc 120
ttatccataa aaaaaaatag atgtctttta tagtggaata acacatgggg aaaaaaatca 180
tctattttga tgcagcattt gataatgata aaacacctca cacctcactc tttatagtgc 240
acaaaatgaa tgaggtct                                     258

```

<210> 175  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<400> 175  
 aagtagccgc tccgagtgga ggcgactggg ggctgaagag cgcgccgcc tctcgtccca 60  
 ctttccaggt gtgtgatcct gtaaaattaa atcttccaag atgatctggg atatattaat 120  
 tataggaatt ctgcttcccc agtctttggc tcatccaggc tttttactt caattgggtca 180  
 gatgactgat ttgatccata ctgagaaaga tctggtgact tctctgaaag attatattaa 240  
 ggcagaagag gacaagttag aacaaataaa aaaatgggca gagaagttag atcggctaac 300  
 tagtacagcg acaaaagatc cagaaggatt tgttgggcat ccagtaaag cattcaaatt 360  
 aatgaaacgt ctgaatactg agtggagtga gttggagaat ctggtcctta agggatatgtc 420  
 agatggcctt atctctaacc ta 442

<210> 176  
 <211> 611  
 <212> DNA  
 <213> Homo sapiens

<400> 176  
 gggtgaggt aggaagtagc cgctccgagt ggaggcgact gggggctgaa gagcgcgccg 60  
 ccctctcgtc ccactttcca ggtgtgtgat cctgtaaaat taaatcttc aagatgatct 120  
 ggtatatatt aattatagga attctgcttc ccagtcctt ggctcatcca ggctttttta 180  
 cttcaattgg tcagatgact gatttgatcc atactgagaa agatctggtg acttctctga 240  
 aagattatat taaggcagaa gaggacaagt tagaacaat aaaaaaatgg gcagagaagt 300  
 tagatcggct aactagtaca gcgacaaaag atccagaagg atttgtggg catccagtaa 360  
 atgcattcaa ataatgaaa cgtctgaata ctgagtggag tgagttggag aatctgggtcc 420  
 ttaagggtat gtcagatggc tttatctcta acctaaccat tcagagacag tactttccta 480  
 atgatgaaga tcaggttggg gcagccaaag ctctgttacg tctccaggat acctacaatt 540  
 tggatacaga taccatctca aagggtaatc ttccaggagt gaaacacaaa tcttttctac 600  
 ggctgaggac t 611

<210> 177  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 177  
 ttacaaactc ctgaaccata atattctcgt ctccacagac acatactcca taatttataaa 60  
 ccaaagtctt gtgagaaagc ttgctcatca tacttgctgc ttcaaagaaa gactctgaat 120  
 agtttctgtg tgctttatoc agaactttta aaagaacttc tgtttcatgc agttgaccgt 180  
 agtctcctac ttctcttcgt acgcctttaa aaatctttgt aaaagtgcct tggccaaggc 240  
 tttcattaaa tatcaaatct tcatttctga tttgtgaaa caccatttgg ttcatatgag 300  
 taggcctctg taatgttggg gaggttggta catcagaaac accattcgtt ctgaagacta 360  
 gaaggtttga tttatctttt cggctttggg ggacagcatt tagtacacgg gaaaat 416

<210> 178  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400> 178  
 gggttttttt tttttgcaa gttccaaatt tatgggtcgg gaaataaatc caaattttctc 60  
 attaaaaaac tcctttggaa aaacttgggc ccaaaagttt cccatccgaa ctcagccttt 120  
 tttgccccga tccccgactt ttttactcaa ggcccgggaa ggc 163

<210> 179  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens



&lt;400&gt; 179

```

aaagttacaa atttattggt ctggaataa atacaaatat ctcattaaga aactcctctg 60
gaaagacttg tgcacaatag tttcccatcc gtactcagcc tctcttgccc cgatccccga 120
cttttctact caaggccagg gaaaggcctc caagggtgatg ggccggcagg aacgagtcac 180
tgcctctcac gccacctgga aggctggact acttcctcct cccaactgcg ggggtcccaga 240
aatcctcggg tcccagtggc tgacttacaa tattcaattc actct 285

```

&lt;210&gt; 180

&lt;211&gt; 458

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 180

```

tcgagccgcc gccgcccctg tacaacaaca acaacaactg cgaggaaaat gagcagtctc 60
tgcccccgcc ggccggcctc aacagttcct ggggtggagct acccatgaac agcagcaatg 120
gcaatgataa tggcaatggg aaaaatgggg ggctggaaca cgtaccatcc tcacccctca 180
tccacaatgg agacatggag aagattcctt tggatgcaca acatgaatca ggacagagta 240
gttccagagg cagttctcac tgtgacagcc cttcgccaca agaagatggg cagatcatgt 300
ttgatgtgga aatgcacacc agcagggacc atagctctca gtcagaagaa gaagttgtag 360
aaggagagaa ggaagtcgag gctttgaaga aaagtgcgga ctgggtatca gactggtcca 420
gtagaccga aaacattcca cccaaggagt tccacttc 458

```

&lt;210&gt; 181

&lt;211&gt; 329

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 181

```

tttttttttt tttttttttt tttcttttta ataactatca actcaaaactt agggaaactt 60
gcctttgtct tgggggaaaa aaacaactag acaataaagc ttcttttaca tcatttgcta 120
acctgatctc gttttaagag agagatggta gttatgttgc aagagtaaaa tttataccat 180
gaatgataca ggtctagtct ggtggcacta attagagata atagcattgc tgacaaaatt 240
ataatctgct ggtggcattt gcggaaaaga ggcccttgca aatttctaaa caacagtaaa 300
ctctgttagg aaattctaaa atgtcttca 329

```

&lt;210&gt; 182

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 182

```

atacatgtaa cttcattatt ttaaaaaatat ttttagaact ccaatactca ccctgttatg 60
tcttgctagt ttaaattttg ctaattaact gaaacatgct taccagattc acactgttcc 120
agtgtctata aaagaaacac tttgaagtct ataaaaaata aaataattat aaatgtcatt 180
gtacatagca tgtttatata tgcaaaaaac ctaatagcta attaatctgg aatatgcaac 240
attgtcctta attgatgcaa ataacacaaa tgctgcaaag aaatctacta tatcccttaa 300
tgaaatacat cattcttcat atatttctcc ttcagtccat tcccttaggc aatttttaat 360
ttttaaaaat tattatcagg ggagaaaaat tggcaacgct attatatgta agggaaatat 420
atacaaaaag aaaattaatc atagtcacct gactaagaaa ttctgactgc tagttgccat 480
aaataactca atggaaatat tcctatggga taatgtattt taagtga 527

```

&lt;210&gt; 183

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 183

```

atacatacat gtaacttcac tatttttaaa atatttttag aactccaata ctcaccctgt 60
tatgtcttgc taattttaa tttgctaatt aactgaaaca tgcttaccag attcacactg 120
ttccagtgtc tataaaagaa acactttgaa gtctataaaa aataaaataa ttataaatat 180
cattgtacat agcatgttta tatctgcaaa aaaccttaata gctaattaat ctggaatatg 240

```

```

caacattgtc ctttaattgat gcaaataaca caaatgctca aagaaatcta ctatatccct 300
taatgaaata catcattctt catatatattc tccttcagtc cattccctta ggcaattttt 360
aatttttaaa aattattatc aggggagaaa aattggcaaa actattatat gtaagggaaa 420
tatatacaaa aagaaaatta atcatagtc cctgactaag aaattctgac tgctagttgc 480
cataaataac tcaatggaaa tattcctatg ggataatgta ttttaagtga 530

```

```

<210> 184
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 98, 141, 162, 213
<223> n = A,T,C or G

```

```

<400> 184
tatacatata tgtaacttca ttatttttaa aatattttta gaactccaat actcaccctg 60
ttatgtcttg ctaattttaa ttttgctaata taactganac atgcttacca gattcacact 120
gttcagtggt ctataaaaga nacactttga agtctataaa anataaaata attataaata 180
tcattgtaca tagcatgttt atatctgcaa aanacctaata agctaattaa tctggaatat 240
gcaacattgt cct 253

```

```

<210> 185
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<400> 185
ccgttgctgt cgatcccagc tccttgggag gctgaggcgg gagaattgcg ggaaggcggg 60
gacggaggtt gcagtgcgac gagatcgcac tgctgtaccc agcctgggac acagtgcagg 120
actccatctc aaaaaaaaaa gaaaagaaaa agcctgttta atgcacagggt gtgagtggat 180
tgcttatggc tatgagatag gttgatctcg cccttaccac ggggtctggt gtatgctgtg 240
ctttcctcag cagtatggct ctgacatctc ttaaatgtcc caacttcagc tgttgggaga 300
tgggtgatatt ttcaacccta cttcctaaac atctgtctgg gggttcctta gtcttgaatg 360
tcttatgctc aattattttg tggtgagcct ctcttcaca agagctcctc catgtttgga 420
t 421

```

```

<210> 186
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<400> 186
cagctccttg ggaggctgag gcgggagaaat tgcttgaacc cggggacgga ggttgagctg 60
agccgagatc gcaactgctgt acccagcctg ggccacagtg caagactcca tctcaaaaaa 120
aaaagaaaag aaaaagcctg tttaatgcac aggtgtgagt ggattgctta tggctatgag 180
ataggttgat ctgcgcccta ccccggggtc tgggtgatgc tgtgctttcc tcagcagtat 240
ggctctgaca tctcttagat gtcccaactt cagctgttgg gagatgggtga tattttcaac 300
cctacttcct aaacatctgt ctgggggtcc tttagtcttg aatgtcttat gctcaattat 360
ttgggtgtga gcctctc 377

```

```

<210> 187
<211> 243
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 228
<223> n = A,T,C or G

```

<400> 187  
gagggtattcc acctcctacc ggaatataat taaagggaga aatacactgt atgaagtata 60  
tggtgatact atgacatggt gccaacacct tgagaagcat tatttgtttc taataaaaagt 120  
aatggccttg tcaatatatt ggtgggttta aaactttgct gcttttttac ataaagcctg 180  
tgcctttcct agaaagttaa gatgtaaatg tattctcaca tgtaaatntg aaagttcagg 240  
ggt 243

<210> 188  
<211> 544  
<212> DNA  
<213> Homo sapiens

<400> 188  
tattccacct cctaccgga tataaattaaa gggagaaata cactgtatga agtatatggt 60  
gatactatga catgttgcca acaccttgag aagcattatt tgtttctaataaaaagtaagt 120  
gctttgtcaa tatattggtg ggtttaaaac tttgctgctt ttttacataa agcctgtgcc 180  
tttcctagaa agttaagatg taaatgtatt ctacacatgta aatttgaaag ttcaggggtc 240  
tattatgaaa tgatacacat ttttaaatga accataattt ttttactaa gctgtttgcc 300  
ttccaaagtg tttacacctt aagccttaac atgtatcttc attcagaaaa cagttatatt 360  
gtcataccat agtaggaaga aaaaccttta tttggaatat aactactgt aagtttgtac 420  
agatcatata cctaccacct gtctttgctt aaagagcctt gattacataa atatgtagga 480  
aaaaacatat tgagttcaaa atttatatct aacattggtt atgttatgat ttttttttaa 540  
ttgc 544

<210> 189  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 210  
<223> n = A,T,C or G

<400> 189  
cacaaaaggt atgatcagca acttgcttgg gaaaggagcc gtggaccagc tgacacggct 60  
ggtgctggtg aatgccctct acttcaacgg ccagtggag actcccttcc ccgactccag 120  
caccaccgc cgcctcttcc acaaatcaga cggcagcact gtctctgtgc ccatgatggc 180  
tcagaccaac aagttcaact atactgagtn caccacgccc gatggccatt atacgacatc 240  
ctgg 244

<210> 190  
<211> 209  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 140  
<223> n = A,T,C or G

<400> 190  
gaacactgtt gctcttggtg gacgggcccc gaggaattca gagttaaac ttgagtgcct 60  
gcgtccgtga gaattcagca tggatgtct ctactatttc ctgggatttc tgctcctggc 120  
tgcaagattg ccacttgatn ccgcaaacg atttcatgat gtgctgggca atgaaagacc 180  
ttctgcttac atgagggagc acaatcaat 209

<210> 191  
<211> 254  
<212> DNA  
<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 85, 100, 143, 155, 182, 203, 229, 245, 254

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 191

```
ctcccaacca agctctcttg aggatcttga aggaaactga attcaaaaag atcaaagtcc 60
tgggctccgg tgcgttcggc acgnggtata agggactctn gatcccagaa ggtgagaaag 120
ttaaatttcc cgtcgctatc aangaattaa gagangcaac atctccgaaa gccacaagg 180
anactctcga tgaagcctac gtnatggcca gcgtggacaa ccccccacng tgccgcctgc 240
tgggnatctg tctn 254
```

&lt;210&gt; 192

&lt;211&gt; 484

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 192

```
tttttttttt tttttttttc aaatatacct ctttgaaaga taaatttctg ctcaaaggga 60
caatattctt gctggatgcg ttcctgtaaa tgcttcacag tttgaagaca aaggaaatgca 120
acttcccaaa atgtgcccga ggtggaagta ctctctggct agtcggtgta aacgttgcaa 180
aaccagtctg tgggtctaag agctaattgcg ggcattggctg ttgggatgga ggacctgctg 240
tggtctggtc ctgggtatcg aaagagtctg gatttttagg gctcactacta tcctccgtgg 300
tcatactcca ataaattcac tgctttgtgg cgcgaccctt aggtattctg cattttcagc 360
tgtggagccc ttaaagatgc cattttggctt ggcttccttg ggaaagaagt cctgctggta 420
gtcagggttg tccaggctaa tttggtggct gcctttcttg gccagtgagg cagggtctgc 480
gaat 484
```

&lt;210&gt; 193

&lt;211&gt; 660

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 193

```
tttaatcata tccaggagtt tgcaagaaac aggtgcttaa cactaattca cctcctgaac 60
aagaaaaaat ggctgtgacc ggaactgtgg gctcatcgct ggggctgtca ttggtgctgt 120
cctggctgtg tttggaggta ttctaattgc agttggagac ctgcttatcc agaagacaat 180
taaaaagcaa gttgtcctcg aagaaggtag aattgctttt aaaaattggg ttaaaacagg 240
cacagaagtt tacagacagt tttggatctt tgatgtgcaa aatccacagg aagtgatgat 300
gaacagcagc aacattcaag ttaagcaaaag aggtccttat acgtacagag ttctgtttct 360
agccaaggaa aatgtaaccc aggaagcgtga ggacaacaca gtctctttcc tgcagcccaa 420
tggtgccatc ttcgaacctt cactatcagt tggaacagag gctgacaact tcacagttct 480
caatctggct gtggcagctg catcccatat ctatcaaaat caatttgctt aaatgatcct 540
caattcactt attaacaagt caaaatcttc tatgttccaa gtcagaactt tgagagaact 600
gttatggggc tataggagtc catttttgag tttggttccg taccctgtta ctaccacagt 660
```

&lt;210&gt; 194

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 194

```
ctttaatcat atccaggagt ttgcaagaaa cagggtgctta acactaattc acctcctgaa 60
caagaaaaat gggctgtgac cggaactgtg ggctcatcgc tggggctgtc attggtgctg 120
tcctggctgt gtttggagggt attctaattgc cagttggaga cctgcttatc cagaagacaa 180
ttaaaaagca agttgtcctc gaagaaggta caattgcttt taaaaattgg gttaaaacag 240
gcacagaagt ttacagacag ttttgatctt ttgatgt 277
```

&lt;210&gt; 195

&lt;211&gt; 457

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 195

```

gactgggttt ggggtgcagac gttgttgctt gggcgcttct ccgctgcgtg taggtgaagg 60
gggcttcctg accgagacat ggatttaggt gctattacaa aatactcagc attacacgcc 120
aagcccaatg gactgatcct tcaatacggg actgctggat ttcgaacgaa ggcagaacat 180
cttgatcatg tcatgtttcg catgggatta ttagctgtcc tgaggtcaaa acagacaaaa 240
tccactatag gagtcatggt aacagcgtcc cacaatcctg aggaagacaa tgggtgtaaa 300
ttggttgatc ctttgggtga aatgttggca ccacctggg aggaacatgc cacctgttta 360
gcaaagtctg aggaacaaga tatgcagaga gtgcttattg acatcagcga gaaagaagct 420
gtgaatctgc aacaagatgc cttgttagtt attggta 457

```

&lt;210&gt; 196

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 196

```

tttttttttt tttttttttt tttgggcagg agaccatgtt actttattca tttgtttaac 60
tttaaccatg ttcaataaac ttttcacctg tttggtagt tccacaaaag ccttagagag 120
ttttcggtag taaccttcta tagttgcctt tccatctcgg ccaccctgtt ttcgacaata 180
caccatgtag tgcagctggg gtgttggtta caagccataa tcatggaatt gacctcctag 240
aacagtcaca ccatctatta cagattgtga aagtttctca ctgctgggcc tggatatctt 300
accaataact acaaaggcat cttgttcgag attcacagct tctttctcgc tgatgtcaat 360
a 361

```

&lt;210&gt; 197

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 197

```

gagccgagct gatttgatcg aggagcgcgg ttaccggacg ggctgggtct atggtcgcctc 60
cgcgggccgc tccgccggct ggtgcttttt tatcagggca agctgtgttc catggcaggg 120
aacttttggc agatctccca ctatttgcaa tggattttgg ataaacaaga tctgttgaag 180
gagcgccaaa aggatttaaa gtttctctca gaggaagaat attggaagtt acaaatattt 240
tttacaatg ttatccaagc attaggtgaa catcttaaat taagacaaca agttattgcc 300
actgctacgg tatatttcaa gagattctat gccagggtatt ctctgaaaag tatagatcct 360
gtattaatgg ctctacatg tgtgtttttg gcatccaaag tagagggaatt tggagtagtt 420
tcaaatacaa gattgattgc tgctgtact tctgtattaa aaactagatt ttcatatgcc 480
tttccaaaag aatttcctta taggatgaat catatattag aatgtgaatt ctatctgtta 540
gaactaatgg a 551

```

&lt;210&gt; 198

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 198

```

tacggccggg agtcgagccg agctgatttg atcgaggagc gcggttaccg gacgggctgg 60
gtctatgggt gctccgcggg ccgctccgcc ggctgggtgct tttttatcag ggcaagctgt 120
gttccatggc agggaaactt tggcagagct cccactattt gcaatggatt ttggataaac 180
aagatctgtt gaaggagcgc caaaaggatt taaagtttct ctgagaggaa gaatattgga 240
agtttcaaat attttttaca aatgttatcc aagcattagg tgaacatctt aaattaagac 300
aacaagttat tgccactgct acggtatatt tcaagagatt ctatgccagg tattctctga 360
aaagtataga tctgtatta atggctccta catgtgtgtt tttggcatcc aaagtagagg 420
aatttgaggt agtttcaa atacaagattga ttgctgctgc tacttctgta ttaaaaacta 480
gattttcata tgcctttcca aaggaatttc cttataggat gaatcatata ttagaatgtg 540
aattctatct gttagaacta atggattgtt gcttgatagt gtatcatcct tatagacctt 600
tgctccagta tgtgcaggac atgggccaa gaaacat 637

```

&lt;210&gt; 199

<211> 130  
 <212> DNA  
 <213> Homo sapiens

<400> 199  
 tagaaagcct ccacctggag tacaatgccc tcaaggctcct tcacaatggc accctggctg 60  
 agttgcaagg tctacccac attaggggtt tctgggacaa caatccctgg gtctgcgact 120  
 gccacatggc 130

<210> 200  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 29, 100, 297, 298, 353, 357  
 <223> n = A,T,C or G

<400> 200  
 gtgctgtttg accaatgggtc atgtggccna gattggggac ttcgggctgg ctaggggacat 60  
 catgaatgac tccaactaca ttgtcaaggg caatgccgcn ctgcctgtga agtggatggc 120  
 cccagagagc atctttgact gtgtctacac gggttcagagc gacgtctggt cctatggcat 180  
 cctcctctgg gagatcttct cacttgggct gaatccctac cctggcatcc tggatgaacag 240  
 caagttctat aaactggtga aggatggata ccaaattggc cagcctgcat ttgcccnaa 300  
 gaatatatac agcatcatgc aggcctgctg ggcttgggag cccaccaca ganccanctt 360  
 ccagcagatc tg 372

<210> 201  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3, 10, 11, 78, 112, 130, 150, 231, 457  
 <223> n = A,T,C or G

<400> 201  
 gancacctgn nacaaggagg atggacggcc cctggagctc cgggacctgc ttcacttctc 60  
 cagccaagta gccaggnat ggccttcctc gcttccaaga attgcatcca cngggacgtg 120  
 gcagcgcgtn acgtgctgtt gaccaatggn catgtggcca agattgggga ctgcgggctg 180  
 gctagggaca tcatgaatga ctccaactac attgtcaagg gcaatgccgc nctgcctgtg 240  
 aagtggatgg cccagagag catctttgac tgtgtctaca cgggtcagag cgacgtctg 300  
 tcctatggca tcctcctctg ggagatcttc tcacttgggc tgaatcccta ccctggcatc 360  
 ctggatgaaca gcaagtctta taaactgggt gaaaggatgg ataccaaag gccagcctg 420  
 ctttttggcc ccaaagaata tatacaagca tccatgnagg cccttctggg ccttggag 478

<210> 202  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<400> 202  
 gcgagcaagg ggatatcgcc cagcccttgc tgcagcccaa caactatcag ttctgctgag 60  
 gagttgacga cagggagtac cactctcccc tcccacaaac ttcaactcct ccatggatgg 120  
 ggcgacacgg ggagaacata caaactctgc cttoggtcat ttcactcaac agctcggccc 180  
 agctctgaaa cttgggaagg tgagggattc agggggagg 218

<210> 203  
 <211> 556  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 203

```

taagctcggg attcggctcg aggcgagcaa ggggatatcg cccagccctt gctgcagccc 60
aacaactatc agttctgctg aggagttgac gacaggaggt accactctcc cctcccacaa 120
acttcaactc ctccatggat ggggacgacac ggggagaaca tacaaactct gccttcggtc 180
atttcaactc acagctcggc ccagctctga aacttgggaa ggtgagggat tcaggggagg 240
tcagaggatc ccacttcctg agcatgggcc atcactgccg gtcaggggct gggggctgag 300
ccctcaccac cccctccctt actgtttctc tgggtgtggc ctctgtgttg ctatgccaac 360
tagtagaacc ttctttccta atccccttat cttcatggaa atggactgac tttatgccta 420
tgaagtcccc aggagctaca ctgatactga gaaaaccagg ctctttgggg ctagacagac 480
tggcagagag tgagatctcc ctctctgaga ggagcagcag atgctcacag accacactca 540
gctcaggccc cttgga                                     556

```

&lt;210&gt; 204

&lt;211&gt; 319

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 204

```

tccttattta tttaacttca cccgagttcc tctgggtttc taagcagtta tgggtgatgac 60
ttagcgtcaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
aagtccatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg tgtctgcctt 300
cacaaatgtc atgtctact                                     319

```

&lt;210&gt; 205

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 205

```

attccgttgc tgtcgagggt cactaccagt acaagagcat ccctgtggag gacaaccaca 60
aggcagacat cagctcctgg ttcaacgagg ccattgactt catagactcc atcaagaatg 120
ctggagggaag ggtgtttgtc cactgccagg caggcatttc ccggtcagcc accatctgcc 180
tggcttacct tatgaggact aatcgagtca agctggacga ggcttttgag tttgtgaagc 240
agaggcgaag catcatctct cccaacttca gcttcatggg ccagctgctg cagtttgagt 300
cccaggtgct ggctccgcac tggttcggcag aggctgggag ccccgccatg gctgtgctcg 360
accgaggcac ctccaccacc accgtgttca acttccccgt ctccatccct gtccactcca 420
cgaacagtgc gctgagctac cttcagagcc ccatta                                     456

```

&lt;210&gt; 206

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 206

```

agtttttaaa taatgaatat tatttaatac cacaacagaa ttatcccaa tttccaataa 60
gtcctatcat tgaaaattca aatataagtg aagaaaaaat tagtagatca acaatctaaa 120
caaatccctc ggttctaaga tacaatggat tccccatact ggaaggactc tgaggcttta 180
ttccccactc atgcatatct tatcatttta ttattataca cacatccatc cttaaactata 240
ctaaagccct tttcccatgc atggatggaa atggaagatt tttttttaac ttgttctaaa 300
agtcttaata tgggctgttg ccatgaaggc ttgcagaatt gagtccattt tctagctgcc 360
tttattcaca tagtggacgg ggtacctaaa agtactgggg ttgactcaga gagtcgctgt 420
cattctgtca ttgctgctac tctaacactg agcaacactc tcccagtggc agatcccctg 480
tatcattcca agaggagcat tcatcccttt gctctaataa tcaggaatga tgc                                     533

```

&lt;210&gt; 207

&lt;211&gt; 246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

```

<400> 207
aatgcactaa ctcaatacca agatgagttt ttaaataatg aatattattt aataccacaa 60
cagaattatc cccaatttcc aataagtcct atcattgaaa attcaaatat aagtgaagaa 120
aaaattagta gatcaacaat ctaaacaat ccctcgggtc taagatacaa tggattcccc 180
atactggaag gactctgagg ctttattccc ccactatgca tatcttatca ttttattatt 240
atacac 246

```

```

<210> 208
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<400> 208
ggccgccttt tttttttttt tttttttttt ttttttttgg gcaaaaagg gctttttttt 60
ttttccccc cctttttttt aacccttccc ctaatatctc cccccaaaaa aaaaattttt 120
tttttttggg ggggggaaaa aaaaggga aaacccccc cccccgggg ggggaaaaaa 180
accccccaaa aacccccctt ttgggggggt cccccccat gggggttccc cccccaattt 240
ttttccccc ccaaaaaaa tttttaacc ccccccaagg ggggtgaaaa ccttaaaaaa 300
aacccccgg aaaaacaaa acccctttt taaaaaaaa aaaaaaattt ttggggggca 360
aaaccccc cccccaaaa accccccccc ccccccttaa aaaaaa 407

```

```

<210> 209
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 53, 121, 123, 128, 133, 142, 150, 174, 179, 183, 186,
196, 200, 201, 204, 207, 212, 215, 218, 224, 229, 230, 231,
243, 244, 249, 260, 261, 267, 268, 270, 273, 279, 289, 291,
295, 301, 303, 305, 312, 315, 337, 345, 357
<223> n = A,T,C or G

```

```

<400> 209
ncggggactg cgcggcgggtg cagagccggg cgtgggcgag aacgaacggg ctncctgcgg 60
ctgagagcgt cgagtgtcac catgggtatc acgcttgag cttcctaaag gacttcctgg 120
ncngggcntc gcncctgccc tntccaagan cccggtcggc cccaatcgag aggncaaaanc 180
tgntgntgaa ggtgcnagan nccnagnaac angtnaantc ttangaagnn ntacaaagg 240
gtnnattant tttttggtan nattccnnan gancaaggnt ttcctttcnt nttgnagggt 300
nancntggca angtnattcc ttaatttccc aaccaangtt ttaantttgg ctttaangg 359

```

```

<210> 210
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<400> 210
ttttttttt gcattaagtg gtctttattg atgtttcaca ttcagttatt atcaattctt 60
cagttaattg tacaagtatg ataaattatt ttctatttgc tgtgggaatt taaatgtaaa 120
ataaatacaa aatacatgtg tggtttaatg aacactcaat gaagcatctc ttctgaggta 180
ttcctttcag tctggtttta tcccaggatc tttttacttc ccctaggaat agtctattaa 240
accacacaaat ggaatctgtga acttgtatga caagttcact gtaaatctgt gaacttgtgt 300
tttaattaca ttagacatat tttttgatct catcatacaa caccaatata aaaggcaccg 360
cccatgcctc tcaggcacat tgggaccggg cacc 394

```

```

<210> 211
<211> 292
<212> DNA
<213> Homo sapiens

```



<400> 211  
 gggagcccac cagcaagaat gagttggagc aatcttttca tgtgacctcc ttaacagata 60  
 ttctactgaag gaatctaggt tgtattttca gtggacaatg ggaataaagc atttctaaag 120  
 caccgactgg agaggaaggc aacagagaca aggagagaag ccgagagaca tgtctgcgtg 180  
 ctgccacgca tttgagcgat tgctctgtga agagttgtac actgaacact ttcaggggag 240  
 gctgtttacc caggcaatgt cctcaaacaa gcctgtgccg ggggtgcctg ga 292

<210> 212  
 <211> 495  
 <212> DNA  
 <213> Homo sapiens

<400> 212  
 aattccggtt ctgtcgtgct gccaggttaa tttgagcaaa ggccacagtg aactccggcg 60  
 tggctgagga aggaggaggc acccacaggc tgctgggagg agagcataag gctcaaaatg 120  
 gaaaatcata aatccaataa taaggaaaac ataacaattg ttgatatac cagaaaaatt 180  
 aaccagcttc cagaagcaga aaggaatcta cttgaaaatg gatcggttta tgttggatta 240  
 aatgctgctc tttgtggcct catagcaaac agtctttttc gacgcatctt gaatgtgaca 300  
 aaggctcgca tagctgctgg cttaccaatg gcagggatac cttttcttac aacagactta 360  
 acttacagat gttttgtaag ttttcctttg aatacagggt atttggttg tgaaacctgt 420  
 accataacac ggagtggact gactggtcct gttattgggt gtctataccc tgttttcttg 480  
 gctatacctg taaat 495

<210> 213  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 213  
 tgcgaccgcg atctcctgca gctggtgcac cacctcggcg atggacagcc gctcctccgg 60  
 gttcacctgc agcatggcga ggatgaggct gtggaagacc gtgtactgcg tgcgtgcgg 120  
 ggggatcgag tacttcccat tgactattcg aagtttcgct ccatcctcaa aagggtgctg 180  
 ccggaagcac agcaggtaca agatgcagcc caggggccag atatcctgct tctcggcgat 240  
 cggaaggtg gaatacaagt ctatgatttc tgggtgttcta tacattgggtg ttgtattcct 300  
 cgtgatctga aaaaatacaa acatttcaaa ggaaaagtgt catcccacaa acagtatt 358

<210> 214  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 214  
 tggtagcgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgaggacatc 60  
 tggaatgtca ctggtgccca ggtgtacttg agctgtgagg tcatcggaat cccgacacct 120  
 gtctcatctc ggaacaaggt aaaaaggggt cactatggag ttcaaaggac agaactcctg 180  
 cctggtgacc gggacaacct ggccattcag acccggggtg gccagaaaa gcatgaagta 240  
 actggctggg tgctggtatc tcctctaagt aaggaagatg ctggagaata tgagtgccat 300  
 gcatccaatt cccaaggaca ggcttcagca tcagcaaaaa ttacagtggg tgatgcctta 360  
 catgaaatac cagtgaaaaa aggtgaaggt gccgagctat aaacct 406

<210> 215  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> 66, 71, 259  
 <223> n = A,T,C or G

<400> 215  
 aggacatctg gaatgtcact ggtgccagg tgtagcttgag ctgtgaggtc atcggaatcc 60

cgacancgtgt nctcatctgg aacaaggtaa aaaggggtca ctatggagtt caaaggacag 120  
aacttctgcc tgggtgaccgg gacaacctgg ccattcagac ccgggggtggc ccagaaaagc 180  
atgaagtaac tggctgggtg ctggtatctc ctctaagtaa ggaagatgct ggagaatatg 240  
agtgccatgc atccaattnc caaggacagg cttcagcatc agcaaaaatt acagtgggtg 300

<210> 216

<211> 232

<212> DNA

<213> Homo sapiens

<400> 216

ttcaaaaagct tagagagaat aagcttcttg gtggtgaaat acaactctca cgtgtgctcc 60  
agttctaaaa ttaacctgtg cctgggtctct gaagcccttt cttgctctgt gcctttcagc 120  
cacatcctta ggtgctaacg gccatgagct ccgactctcc aaagtgagct ccactttggg 180  
tctgaggagc ccctggcaga gtccacgctg cctcaggtat catgggcgta at 232

<210> 217

<211> 453

<212> DNA

<213> Homo sapiens

<400> 217

ataagcttct tgggtgtgaa actacaactc tcacgtgtgc tccagttcta aaattaacct 60  
gtgccttggt tctgaagccc tttcttgctc tgtgcctttc agccacatcc ttaggtgcta 120  
acggccatga gctccgactc tccaaagtga gctccacttt gggctctgagg agccctggc 180  
agagtccacg ctgcctcagg tatcatgggc gtaatgatca ccaggctcc gggagatctc 240  
atggatgatt actgtatgag acagagggga cttcagctct tccagggcct tgggtggaatt 300  
tttggtcttg gtgttttcgc cagacaataa acttacactg gaagctttga ttcacctcc 360  
acagtactcc agaaaaggact gtccctataag ttgtacactt taaaagggtca tgtagagggt 420  
gtagtagaat ggcttttcac cctggtgact ttg 453

<210> 218

<211> 520

<212> DNA

<213> Homo sapiens

<400> 218

agatgtgtga gaagtgtccc acctgtcccg atgcatgcag caccaagaga gattgcgtcg 60  
agtgctgtgt gctccactct gggaaacctg acaaccagac ctgccacagc ctatgcaggg 120  
atgaggtgat cacatgggtg gacaccatcg tgaaagatga ccaggaggct gtgctatgtt 180  
tctacaaaac cgccaaggac tgcgtcatga tgttcaccta tgtggagctc ccagtgagg 240  
agtccaacct gaccgtcctc agggagccag agtgtggaaa caccaccaac gccatgacca 300  
tcctcctggc tgtggtcggg agcctcctcc ttgttgggct tgcactcctg gctatctgga 360  
agctgcttgt caccatccac gaccggaggg agtttgcaa gtttcagagc gagcgatcca 420  
gggcccgccta tgaatggct tcaaatctat tatacagaaa gcctatctcc acgcacactg 480  
tggaattcac cttcaacaag ttcaacaat cctacaatgg 520

<210> 219

<211> 404

<212> DNA

<213> Homo sapiens

<400> 219

agatgtgtga gaagtgtccc acctgtcccg atgcatgcag caccaagaga gattgcgtcg 60  
agtgctgtgt gctccactct gggaaacctg acaaccagac ctgccacagc ctatgcaggg 120  
atgaggtgat cacatgggtg gacaccatcg tgaaagatga ccaggaggct gtgctatgtt 180  
tctacaaaac cgccaaggac tgcgtcatga tgttcaccta tgtggagctc ccagtgagg 240  
agtccaacct gaccgtcctc agggagccag agtgtggaaa caccaccaac gccatgacca 300  
tcctcctggc tgtggtcggg agcctcctcc ttgttgggct tgcactcctg gctatctgga 360  
agctgcttgt caccatccac gaccggaggg agtttgcaa gttt 404

&lt;210&gt; 220

&lt;211&gt; 80

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

```
atggcttcaa atccattata cagaaagcct atctccacgc acactgtgga cttcaccttc 60
aacaagttca acaaatccta                                80
```

&lt;210&gt; 221

&lt;211&gt; 607

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 221

```
tgccccacct gcccgatgc atgcagcacc aagagagatt gcgtcgagt cctgctgctc 60
cactctggga aacctgacaa ccagacctgc cacagcctat gcagggatga ggtgatcaca 120
tggttgga ccatcgtaaa agatgaccag gaggtgtgct tatgtttcta caaaaccgcc 180
aaggactgcg tcatgatgtt cacctatgtg gagctcccca gtgggaagtc caacctgacc 240
gtcctcaggg agccagagtg tggaaacacc cccaacgcca tgaccatcct cctggctgtg 300
gtcggtagca tcctccttgt tgggcttgca ctctggcta tctggaagct gcttgtcacc 360
atccacgacc ggaggagtt tgcaaaagttt cagagcgagc gatccagggc ccgctatgaa 420
atggcttcaa atccattata cagaaagcct atctccacgc acactgtgga cttcaccttc 480
aacaagttca acaaatccta caatggcact gtggactgat gtttccttct ccgaggggct 540
ggagcgggga tctgatgaaa aggtcagact gaaacgcctt gcacggctgc tcggcttgat 600
cacaact                                607
```

&lt;210&gt; 222

&lt;211&gt; 583

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 222

```
ggtatgtgcc atcacaagca gatgtggcag tatttgaagc cgtgtccagc ccaccgcctg 60
ccgacttgtg tcatgcccta cgttggtata atcacatcaa gtcttacgaa aaggaaaagg 120
ccagcctgcc aggagtgaag aaagctttgg gcaaataatg tcctgccgat gtggaagaca 180
ctacaggaag tggagctaca gatagtaaag atgatgatga cattgacctc tttggatctg 240
atgatgagga ggaaagtga gaagcaaaga ggctaaggga agaacgtctt gcacaatatg 300
aatcaaagaa agccaaaaaa cctgcacttg ttgccaaagtc ttccatctta ctagatgtga 360
aaccttggga tgatgagaca gatatggcga aattagagga gtgcgtcaga agcattcaag 420
cagacggcct agtctggggc tcactctaac tagttccagt gggatacggg attaagaaac 480
ttcaaataca gtgtgtagtt gaagatgata aagttggaac agatatgctg gaggagcaga 540
tactgcttt tgaggactat gtgcagtcga tggatgtggc tgc                                583
```

&lt;210&gt; 223

&lt;211&gt; 296

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 223

```
tacatcgagg ggtatgtgcc atcacaagca gatgtggcag tatttgaagc cgtgtccagc 60
ccaccgcctg ccgacttgtg tcatgcccta cgttggtata atcacatcaa gtcttacgaa 120
aaggaaaagg ccagcctgcc aggagtgaag aaagctttgg gcaaataatg tcctgccgat 180
gtggaagaca ctacaggaag tggagctaca gatagtaaag atgatgatga cattgacctc 240
tttggatctg atgatgagga ggaaagtga aaagcaaaga ggctaaggga agaagc 296
```

&lt;210&gt; 224

&lt;211&gt; 208

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> misc\_feature

<222> 97

<223> n = A,T,C or G

<400> 224

```
gactacatct tggacctgca gatcgccctg gactcgcac ccactattgt cagcctgcat 60
caccagagac ccgggcagaa ccaggcgctc aggacgncgc tgaccaccct caacacggat 120
atcagcatcc tgtccttgca ggcttctgaa ttcccttctg agttaatgtc aaatgacagc 180
aaagcactgt gtggctgaat aagcgggtg                208
```

<210> 225

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 133

<223> n = A,T,C or G

<400> 225

```
gcagcggctg gagcggcaga tcagccagga tgtcaagctg gagccagaca tcctgcttcg 60
ggccaagcaa gatttcctga agacggacag tgactcggac ctacagctct acaaggaaca 120
gggtgagggg cangtgacc ggagcctgcg ggagcgtgat gtgctggaac gggagtttca 180
gcggtcacc atctctgggg aggagaagtg tggggtgccg ttcacagacc tgctggatgc 240
agccaagatg tggcgcgggc gtcttcaccc ggga                274
```

<210> 226

<211> 330

<212> DNA

<213> Homo sapiens

<400> 226

```
ggccgccctt tttttttttt tttttttttg ggcccagggg gggccccctt gggaaaaaca 60
cccggaagaa tcccaaaagg ggccttgagg gaattttttt taaaaaaaaa ccttttttta 120
aaaaaaactt tgggatttaa attttttttc cggccccctt tttgggcccg gtaccccaat 180
ttaaaaaagg ggggcttttt aaagggttggg aaaaaaaaaa aattgggggg gcccaaaaaa 240
ttggggggcc cccaaaaaaa aagcgggggtt tggaaaaatt ttgggggggt ttggaaattt 300
gggccccaaa acggggggacc cctttccccc                330
```

<210> 227

<211> 525

<212> DNA

<213> Homo sapiens

<400> 227

```
gaatttgccc ctcgaggcca agaattcggc acgagggttc acatagcaat ttaatcaagt 60
aatggttaat tagttacccc ctatatataa atatatgtaa tcaatttctt caaatagctt 120
gcttacatga taatcaatta gccaaccatg agtcatttag aatagtataa aatagaatac 180
acagaatagt gatgaaattc aatttaaaaa atcacgttag cctccaaacc atttaattca 240
aatgaaccca tcaactggat gccaaactct gcgaatgtag gacctctgag tggctgtata 300
attgttaatt caaatgaaat tcattttaaac agttgacaaa ctgtcattca acaattagct 360
ccaggaaata acagttattt catcataaaa cagtcacctc aaacacacaa ttgttctgct 420
gaagagttgt catcaacaat ccaatgctca cctattcagt tgctctgtgg tcagtgtggc 480
tgcataacag tggattccat gaaaggagtc attttagtga tgagc                525
```

<210> 228

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 42, 44, 48, 49, 51, 52, 53, 54, 55, 57, 59, 61, 62, 63, 64,  
68, 69, 70, 71, 73, 74, 75, 76, 77, 79, 80, 83, 87, 89,  
92, 93, 94, 95, 97, 98, 107, 112, 113, 117, 122, 125, 127,  
130, 131, 133, 671, 677, 685, 706, 713, 718, 725, 757, 771

<223> n = A,T,C or G

<221> misc\_feature

<222> 783

<223> n = A,T,C or G

<400> 228

```
gttcacatag caatttaatc aagtaatcat taattagggg gngngggngng nnnnngngnt 60
nnnngtgngnn ngnnnnngnn ggngtgngng tnnnnngnng gaggtgngga anngtntntt 120
tntgngngan nantagaata cacagaatag tgatgaaatt caatttaaaa aatcacgtta 180
gcctccaaac catttaattc aaatgaaccc atcaactgga tgccaactct ggccaatgta 240
ggacctctga gtggctgtat aattgttaat tcaaatgaaa ttcatttaaa cagttgacaa 300
actgtcattc aacaatttagc tccaggaaat aacagttatt tcatcataaa acagtccctt 360
caaacacaca attgttctgc tgaagagttg tcatcaacaa tccaatgctc acctattcag 420
ttgctctgtg gtcagtggtg ctgcataaca gtggattcca tgaaaggagt cattttagtg 480
atgagctgcc agtccattcc caggccaggc tgtcgctggc catccattca gtcgattcag 540
tcatagcgca atctgttctg cccgaagctt gtggtcaagc aaaaattcag ccctgaaaat 600
cagcacatct gttcgggtgga ctaaaccaca gttagtctgt caagcagcaa cccctgtggc 660
atgaccgcca ntgggtncat gcgtntgcac tgggagttgg ccaaantccc gngggtcncg 720
gggtnttttt tgtgggtttt ttttttttag tcttgtnttt gggtaagtgg nttttttttt 780
tcnttggg                                     788
```

<210> 229

<211> 156

<212> DNA

<213> Homo sapiens

<400> 229

```
gccgagggaa gggcccggca gctgaggagc cgctgagctt gctggacgac atgaaccact 60
gctactcccc cctgcgggaa ctggtacccg gagtcccag aggcaactcag cttagccagg 120
tggaatcctt acagcgcgtc atcgactaca ttctcg                                     156
```

<210> 230

<211> 538

<212> DNA

<213> Homo sapiens

<400> 230

```
tacgactcct ataggaattt tggccctcga ggccaagaat tcggcacgag ggtgactttg 60
gcttttgctc catcatcggc gagaagtcgt tccgccgctc agtgggtggc acgccggcct 120
acctggcacc cgaggtgctg ctcaaccagg gctacaaccg ctcgctggac atgtggtcag 180
tgggcgtgat catgtacgtc agcctcagcg gcaccttccc tttcaacgag gatgaggaca 240
tcaatgacca gatccagaac gccgccttca tgtaccggc cagccccctg agccacatct 300
cagctggagc cattgacctc atcaacaacc tgcctgcagg gaagatgcgc aaacgctaca 360
gcgtggacaa atctctcagc caccctgtgt tacaggagta ccagacgtgg ctggacctcc 420
gagagctgga ggggaagatg ggagagcgat acatcacgca tgagagtgc gacgcgcgct 480
gggagcagtt tgcagcagag catccgctgc ctgggtctgg gctgcccacg gacaggga 538
```

<210> 231

<211> 232

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 18, 56, 94, 103, 117, 128, 145, 184, 204, 219

<223> n = A,T,C or G

```

<400> 231
tggttttgc cgcatacncg gcgagaagtc gtcccgcgc tcagtgggtg gcacgncggc 60
ctacctggca cccgaggtct tgctcaacca gggntacaac cgntcgctcg acatgtngtc 120
agtgggcntg atcatgtacg tcagnctcag cggcaccttc cctttcaacg aggatgagga 180
catnaatgac cagatccaga acgncgactt catgtaccng gccagaccct gg 232

```

```

<210> 232
<211> 420
<212> DNA
<213> Homo sapiens

```

```

<400> 232
taccggtccg gaattcccgg gtcgacccac gcgtccggcg tctctgctcc accaaggtgc 60
cctggacatg ctgaccaagg tgatggccct agagctcggg cccacaaga tccgagtga 120
tgcagtaaac cccacagtgg tgatgacgtc catgggccag gccacctgga gtgaccccca 180
caaggccaag actatgctga accgaatccc acttggaag tttgctgagg tagagcacgt 240
ggtgaacgcc atcctctttc tgctgagtga ccgaagtggc atgaccacgg gtccacttt 300
gccggtggaa gggggcttct gggcctgctg agctccctcc acacacctca agcccatgc 360
cgtgctcatc ctacccccaa tccctccaat aaacctgatt ctgctgcca aaaaaaaaaa 420

```

```

<210> 233
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 2, 170
<223> n = A,T,C or G

```

```

<400> 233
gngtctactg ctccaccaag ggtgccctgg acatgctgac caaggtgatg gccctagagc 60
tcgggccccca caagatccga gtgaatgcag taaacccac agtggatgat acgtccatgg 120
gccaggccac ctggagtgcac cccacaagg ccaagactat gctgaaccgn atcccacttg 180
gcaagtttgc tgaggtagag cacgtggtga acgccatcct ctttctgctg agtgaccgaa 240
gtggcatgac cacgggttcc actttgccgg tggaaggggg ttctggggct gctg 294

```

```

<210> 234
<211> 55
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42
<223> n = A,T,C or G

```

```

<400> 234
gtctcgggtcc atgactctgg agatccgaga aggaagaggg tntggcctga gaaag 55

```

```

<210> 235
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 22, 335, 365, 377, 383, 391
<223> n = A,T,C or G

```

```

<400> 235
ttttttgttc atttatattt tntttaagag ctgtgcccag ttttatcatc tcacaagaat 60
gaagcaaggg acaaaggtaa gtgccacgct ccctggccac tgggttcctg gcaagctccc 120
agccactagg tgccaatctc ccttcaatgt actccttctt cccagagtg cagaagcgta 180
tgaagacagt tatgacatgg acacatgcat gagctattat acataattac aaaagctgat 240
tctgtcatca ccacatcttg tctcatcagt aggagcgaat ggctggcggg acggtggcac 300
agtcagcctt gttcaaagtt ttgtcgatca cgggncctat attccagagt gacctttccc 360
agtgnccaac gttccanata ggncagggtc ntgc 394

```

```

<210> 236
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 236
agctcgggat tgggctcgag gacctggaaa ttccaggtgg tgagctgcat cgaaggggag 60
cctgggcccg tcaggagcgt cctcttcaac ccagacggct gctgcctgta cagcggctgc 120
caggactcac tgcgtgtcta cggtgggaa cctgagcggg gctttgatgt ggtcctcgtc 180
aactggggca aggtggccga cctggccatc tgcaatgacc agttgatagg tgtggccttc 240
tcccagagca acgtctcctc ctacgtgggt gatctgacgc gtgtcaccag gactggcacg 300
gtggcccggg accctgtgca ggaccaccgg ccctggcac agccactgcc caacccagc 360
gccccctcc ggcgcatcta tgagcggccc agcacaacct gcagcaagcc tcagaggggtg 420
aagcagaact cagagagcga gcgcccgcacc cccagcagcg aggatgac 468

```

```

<210> 237
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 48, 85, 97
<223> n = A,T,C or G

```

```

<400> 237
gacctggaga agttccaggt ggtgagctgc atcgaagggg agcctgggcc cgtcaggagc 60
gtcctcttca acccagacgg ctgcngcctg tacagcngct gccaggactc actgcgtgtc 120
tacggctggg aacctgagcg gtgctttgat gtggctcctc tcaactgggg caaggtggcc 180
gacctggcca tctgcaatga ccagttgata ggtgtggcct tctcccagag caacgtctcc 240
tcctacgtgg tgga 254

```

```

<210> 238
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 238
gaccacgcg tccgtcttca acttcttttag tctcctgag attcctatga ttgggaagct 60
ggaaccacga gaagatgcta tcctggatga ggactttgaa attgggcaga ttttacatga 120
taatgtcatc ctgaaatcaa tctattacta tactggagaa gtcaatggtg cctactatca 180
atttgcaaaa cattatggaa acaagaaata cagaaaataa gtcaatctga aagatttttc 240
aagaatctta aaatctcaag aagtgaagca gattcataca gccttgaaaa aagtaaaacc 300
ctgacctgta acctgaacac tattattcct tatagtcaag tttttgtggt ttcttggtag 360
tctatatttt aaaaaatagtc ctaaaaagtg tctaagtgcc agtttattct atctaggct 419

```

```

<210> 239
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

&lt;222&gt; 190

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 239

```

gaaccccgcc cgcgccacaca gcgtctgctc cacctccagc ttgtacctgc aggatctgag 60
cgccgcccgc tcagagtgc tgcacccctc ggtggtcttc ccctaccctc tcaacgacag 120
cagctcgccc aagtccctgcg cctcgcaaga ctccagcgcc ttctctccgt cctcggattc 180
tctgcactcn tcgacggagt cctccccgca gggcagcccc gagccct 228

```

&lt;210&gt; 240

&lt;211&gt; 525

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 240

```

aaccccgccc gcgccacag cgtctgctcc acctccagct tgtacctgca ggatctgagc 60
gccgcccgcct cagagtgcac cgacccctcg gtggtctctc cctaccctct caacgacagc 120
agctcgccca agtccctgcg ctcgcaagac tccagcgctc tctctccgtc ctcgattct 180
ctgctctcct cgacggagtc ctcccgcag ggcagccccg agccctggt gctccatgag 240
gagacaccgc ccaccaccag cagcgactct gaggaggaac aagaagatga ggaagaaatc 300
gatgttggtt ctgtggaata gaggcaggct cctggcaaaa ggtcagagtc tggatcacct 360
tctgctggag gccacagcaa acctcctcac agcccactgg tcctcaagag gtgccacgtc 420
tccacacatc agcacacta cgcagcgctc ccctccactc ggaaggacta tcctgctgcc 480
aagaggggtca agttggacag tgtcagagtc ctgagacaga tcagc 525

```

&lt;210&gt; 241

&lt;211&gt; 552

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 241

```

tggaaggaaac tggctctgctc acacttgctg gcttgcgcat caggactggc tttatctcct 60
gactcacggt gcaaagggtgc actctgcgaa cgtaaagtcc gtcccagcgc ttggaatcct 120
acggcccccga cagccggatc ccctcagcct tccaggtcct caactcccgc ggacgctgaa 180
caatggcctc catggggcta caggtaatgg gcatcgcgct ggccgtcctg ggctggctgg 240
ccgtcatgct gtgctgcgcg ctgcccattg ggcgcgtgac ggccttcac gccagcaaca 300
ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgctgggtg cagagcaccg 360
gccagatgca gtgcaagggtg tacgacttgc tgcctggcact gccgcaggac ctgcaggcgg 420
cccgcgccct cgtcatcatc agcatcatcg tggctgctct gggcgtgctg ctgtccgtgg 480
tgggggggcaa gtgtaccaac tgcctggagg atgaaagcgc caaggccaag accatgatcg 540
tggcggggcgt gg 552

```

&lt;210&gt; 242

&lt;211&gt; 519

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 242

```

tggaaggaaac tggctctgctc acacttgctg gcttgcgcat caggactggc tttatctcct 60
gactcacggt gcaaagggtgc actctgcgaa cgtaaagtcc gtcccagcgc ttggaatcct 120
acggcccccga cagccggatc ccctcagcct tccaggtcct caactcccgc ggacgctgaa 180
caatggcctc catggggcta caggtaatgg gcatcgcgct ggccgtcctg ggctggctgg 240
ccgtcatgct gtgctgcgcg ctgcccattg ggcgcgtgac ggccttcac gccagcaaca 300
ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgctgggtg cagagcaccg 360
gccagatgca gtgcaagggtg tacgacttgc tgcctggcact gccgcaggac ctgcaggcgg 420
cccgcgccct cgtcatcatc agcatcatcg tggctgctct gggcgtgctg ctgtccgtgg 480
tgggggggcaa gtgtaccaac tgcctggagg atgaaagcgc 519

```

&lt;210&gt; 243

&lt;211&gt; 296

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 64, 187, 195

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 243

```

agggttcctca tctgctcgcg aggatgcctt ttctcttctg ccttgcgaaa taacagcagc 60
ctanctgttg cccgtgacca gtgagaaagg cagcgtcacg ggctgattag gtttcacca 120
aagggtgccg gcgccgaatt ggtttctaac gagaactttt aaaatgatcc gttccaaaaa 180
aggggtangag ccgcnagacc ctccaactgc ccagagaaaa caagtctcgt ctggcaaaaa 240
tctcggccca cgcggtccgc ggccaagggg caaaggtcct cgccccacgt tgccga 296

```

&lt;210&gt; 244

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 244

```

cttgcccatg gcgaattgtg gatgactgtg gtggggcctt tacgatgggt accattggtg 60
gtgggtatctt tcaagcaatc aaagggttttc gcaattctcc agtgggagta aaccacagac 120
tacgaggagag tttgacagct attaaaacca gggctccaca gttaggaggt agctttgcag 180
tttggggagg gctgttttcc atgattgact gtagtatggt tcaagtcaga ggaaaggaaag 240
atccctggaa ctccatcaca agtgggtgcct taa 273

```

&lt;210&gt; 245

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 245

```

ttcgaattcg gcacgaggct cgatgtacgt cccggaggag ctccttcccg tctacaaaga 60
aaaagtgggt cgcgttgagc acattatcac gcccaaccag tttgaggccg agttactgag 120
tgcccggaag atccacagcc aggaggaagc cttgcgggtg atggacatgc tgcactctat 180
gggccccgac accgtggtca tcaccagctc cgacctgccc tccccgcagg gcagcaacta 240
cctgattgtg ctggggagtc agaggaggag gaatcccgct ggctccgtgg tgatggaacg 300
catccggatg gacattcgca aagtggacgc cgtctttgtg ggcactgggg acctgtttgc 360
tgccatgctc ctggcgtgga cacaca 386

```

&lt;210&gt; 246

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 246

```

tttttttttt caaaaaagtc atggaggcca tgggggtggc ttgaaaccag ctttgggggg 60
ttcgattcct tccttttttg cctaaatttt atgtatacgg gttcttcaaa tgtgtggtag 120
gggtgggggg atccatatag tcaactccagg tttatggagg gttcttctac tattaggact 180
tttcgcttca aagcgaaggc ttctcaaadc atgaaaatta ttaattattac tgctgttaa 239

```

&lt;210&gt; 247

&lt;211&gt; 623

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 247

```

aaaaagtcac ggaggccatg ggggttggtt gaaaccagct ttgggggggt cgattccttc 60
cttttttgct tagattttat gtatacgggt tcttcgaatg tgtggtaggg tggggggcat 120
ccatatagtc actccagggt tatggagggt tcttctacta ttaggacttt tcgcttcgaa 180
gcgaaggctt ctcaaatcat gaaaattatt aatattactg ctgttagaga aatgaatgag 240
cctacagatg ataggatgtt tcatgtggtg tatgcatcgg ggtagtccga gtaacgtcgg 300
ggcattcccg ataggccgag aaagtgttgt gggaagaaag ttagattttac gccgatgaat 360

```

```

atgatagtga aatggatttt ggcgtagggt tggctctaggg tgtagcctga gaatagggga 420
aatcagtgaa tgaagcctcc tatgatggca aatacagctc ctattgatag gacatagtgg 480
aagtgaagcta caacgtagta cgtgtcgtgt agtacgatgt ctagtgatga gtttgctaata 540
acaatgccag tcaggccacc tacggtgaaa agaaagatga atcctagggc tcagagcact 600
gcagcagatc atttcatatt gct                                     623

```

&lt;210&gt; 248

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 248

```

ggcttagcgg ataacaattt cacacaggag ttgcaccata atcatcgcta tccccaccgg 60
cgtaaaagta ttttagctgac tcgccacact ccacggaagc aatatgaaat gatctgctgc 120
agtgtctctga gccctaggat tcattctttct ttccaccgta ggtggcctga ctggcattgt 180
attagcaaac tcattcactag acatcgtact acacgacacg tactacgttg tagctcactt 240
ccactatgtc ctatcaatag gagct                                     265

```

&lt;210&gt; 249

&lt;211&gt; 625

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 249

```

aatcatcgct atccccaccg gcgtcaaaagt atttagctga ctcgccacac tccacggaag 60
caatatgaaa tgatctgctg cagtgtctctg agccctagga ttcattcttc ttttcaccgt 120
aggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgtae tacacgacac 180
gtactacgtt gtagctcact tccactatgt cctatcaata ggagctgtat ttgccatcat 240
aggaggcttc attcactgat ttcccctatt ctacggctac accctagacc aaacctacgc 300
caaaatccat ttcactatca tattcatcgg cgtaaactta actttcttcc cacaacactt 360
tctcggccta tccggaatgc cccgacgtta ctcggaactac cccgatgcac acaccacatg 420
aaacatcccta tcattctgtg gctcattcat ttctctaaca gcagtaatat taataatttt 480
catgatttga gaagccttcg cttcgaagcg aaaagtccta atagtagaag aaccttccat 540
aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aacctcgata 600
cataaaatct agacaaaaaa ggaag                                     625

```

&lt;210&gt; 250

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

```

ggcttgtaat acgactcact atagggcttt ttttttttca aaaaagtcac ggaggccatg 60
gggttggtt gaaaccagct ttgggggggt cgattccttc cttttttgtc taaattttat 120
gtatacgggt tcttcaaatg tgtggtaggg tggggggcat ccatatagtc actccaggtt 180
tatggagggt tcttctacta ttaggacttt tcgcttcaaa gcgaaggctt ctcaaatcat 240
gaaaattatt aat                                     253

```

&lt;210&gt; 251

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 251

```

caaaactcatc actagacatc gtactacacg acacgtacta cgttgtagct cacttccact 60
atgtcctatc aataggagct gtatttgcca tcataggagg cgtcattcac tgatttcccc 120
tattctcagg ctacacccta gaccaaact acgcaaaat ccatttcaact atcatattca 180
tcggcgtaaa tctaactttc tccccacaac actttctcgg cctatccgga atgccccgac 240
gttattcggg ctacccccgat gcataacca catgaaacat cctatcatct 290

```

&lt;210&gt; 252

&lt;211&gt; 638

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 522, 634, 636  
<223> n = A,T,C or G

<400> 252  
atattttacag taggaataga cgtagacaca cgagcatatt tcacctccgc taccataatc 60  
atcgctatcc ccaccggcgt caaagtattt agctgactcg ccacactcca cggaagcaat 120  
atgaaatgat ctgctgcagt gctctgagcc ctaggattca tctttctttt caccgtaggt 180  
ggcctgactg gcattgtatt agcaaaactca tcactagaca tcgtactaca cgacacgtac 240  
tacgttgtag ctcaactcca ctatgtccta tcaataggag ctgtatttgc catcatagga 300  
ggcttcattc actgatttcc cctatttctca ggctacaccc tagaccaaac ctacgccaaa 360  
atccatttca ctatcatatt catcggcgta aatctaactt tcttcccaca acactttctc 420  
ggcctatccg gaatgccccg acgttattcg gactaccccg atgcatacac cacatgaaac 480  
atcctatcat ctgtaggctc attcatttct ctaacagcag tnatattaat aattttcatg 540  
atgtgagaag ccttcgcttc gaagcgaaaa gtcctaatag tagaagaacc cttcataaac 600  
ctggagtgcac tatatggatg cccccaccc tacnanca 638

<210> 253  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 253  
ggcttagcgg ataacaattt cacacaggag ttgcaccata tatttacagt aggaatagac 60  
gtagacacac gagcatattt cacctccgct accataatca tcgctatccc caccggcgctc 120  
aaagtattta gctgactcgc cacactccac ggaagcaata tgaaatgatc tgctgcagtg 180  
ctctgagccc taggattcat ctttcttttc accgtagggt gcctgactgg cattgtatta 240  
gcaaaactcat cactagacat cgtactacac gacacgtact acgttgtagc tcacttccac 300  
tatgtcctat caataggagc tgtatttgcc atcataggag gcttcattca ctgatttccc 360  
ctatttctcag gctacaccct agaccaaaacc tacgccccaaa tccatttcac tatcatattc 420  
atcggcgtaa atctaacttt ctcccacaa cactttctcg gcctatccgg aatgccccga 480  
cgttactcgg actaccccg a tgcatacacc acatgaaaaca tcctatcatc t 531

<210> 254  
<211> 625  
<212> DNA  
<213> Homo sapiens

<400> 254  
atattttacag taggaataga cgtagacaca cgagcatatt tcacctccgc taccataatc 60  
atcgctatcc ccaccggcgt caaagtattt agctgactcg ccacactcca cggaagcaat 120  
atgaaatgat ctgctgcagt gctctgagcc ctaggattca tctttctttt caccgtaggt 180  
ggcctgactg gcattgtatt agcaaaactca tcactagaca tcgtactaca cgacacgtac 240  
tacgttgtag ctcaactcca ctatgtccta tcaataggag ctgtatttgc catcatagga 300  
ggcttcattc actgatttcc cctatttctca ggctacaccc tagaccaaac ctacgccaaa 360  
atccatttca ctatcatatt catcggcgta aatctaactt tcttcccaca acactttctc 420  
ggcctatccg gaatgccccg acgttactcg gactaccccg atgcatacac cacatgaaac 480  
atcctatcat ctgtaggctc attcatttct ctaacagcag taatattaat aattttcatg 540  
atgtgagaag tcttcgcttc gaagcgaaaa gtcctaatag tagaagaacc cttcataaac 600  
ctggagtgcac tatatggatg ccccc 625

<210> 255  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 255  
tttttttttt taaaaagtca tggaggccat ggggttggt tgaaaccacc tttggggggt 60

```
tcaatccctt ccttctttgt ctaaatttta tgtatacggg ttcttcaaat gtgtggtagg 120
ggggggggca tccatatagc ccctccagggt ttatggaggg ttcttctact attagaactt 180
ttcccttcaa agcaaaggct tctcaaatca tgaaaat 217
```

```
<210> 256
<211> 636
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 496, 562, 564, 605, 635
<223> n = A,T,C or G
```

```
<400> 256
aaagtcattg aggccatggg gttggcttga aaccagcttt ggggggttcg attccttcct 60
tctttgtcta gattttatgt atacgggttc ttcgaatgtg tggtaggggtg gggggcatcc 120
atatagtcac tccaggttta tggagggttc ttctactatt aggacttttc gcttcgaagc 180
gaaggcttct ccaatcatga aaattattaa tattactgct gttagagaaa tgaatgagcc 240
tacagatgat aggatgtttc atgtggtgta tgcacgggg tagtccgagt aacgtcgggg 300
cattccggat aggccgagaa agtgttgggtg gaagaaagt agatttacgc cgatgaatat 360
gatagtgaat tggatttttg cgtagggttg gtctagggtg tagcctgaga ataggggaaa 420
tcagtgaatg aagcctccta tgatggcaaa tacagctcct attgatagga catagtggaa 480
gtgagctaca acgtantacg tgcgtgttag tacgatgtct agtgatgagt ttgctaatac 540
aatgccagtc aggccaccta cngngaaaaa gaaagatgaa tcctagggtc caaaacacct 600
gcacnagatc atttcatatt ggcttccgtg gactncc 636
```

```
<210> 257
<211> 279
<212> DNA
<213> Homo sapiens
```

```
<400> 257
ggcttagcgg ataacaattt cacacaggag ttgcaccata atcatcgcta tccccaccgg 60
cgtcaaagta ttttagctgac tcgccacact ccacgggaagc aatatgaaat gatctgctgc 120
agtgtctga gccctaggat tcatctttct ttccaccgta ggtggcctga ctggcattgt 180
attagcaaac tcatcactag acatcgtagt acacgacacg tactacgttg tagctcactt 240
ccactatgtc ctatcaatag gagctgtatt tgccatcat 279
```

```
<210> 258
<211> 623
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 537
<223> n = A,T,C or G
```

```
<400> 258
aatcatcgct atccccaccg gcgtcaaagt atttagctga ctgccacac tccacggaag 60
caatatgaaa tgatctgctg cagtgtctct agccctagga ttcacttttc ttttcaccgt 120
aggtggcctg actggcattg tattagcaaa ctcactacta gacatcgtag tacacgacac 180
gtactacgtt gtagctcact tccactatgt cctatcaata ggagctgtat ttgccatcat 240
aggaggcttc attcactgat ttccctatt ctcaggctac accctagacc aaacctacgc 300
caaaatccat ttcactatca tattcatcgg cgtaaactta actttcttcc cacaacactt 360
tctcggccta tccggaatgc cccgacgtta ctcggactac cccgatgcat acaccacatg 420
aaacatccta tcatctgtag gtcattcat ttctctaaca gcagtaatat taataatttt 480
catgatttga gaagccttcg cttcgaagcg aaaagtccta atagtagaag aaccctncat 540
aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aaccctgata 600
cataaaatct agacaaaaaa gga 623
```

<210> 259  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 170; 173  
 <223> n = A,T,C or G

<400> 259  
 tggcctttcc cccttcatgg gagacaacga taacgaaacc ttggccaacg ttacctcagc 60  
 cacctgggac ttcgacgacg aggcattcga tgagatctcc gacgatgcca aggatttcat 120  
 cagcaatctg ctgaagaaag atatgaaaaa ccgcctggac tgcacgcagn ctntcagcat 180  
 ccatggcta 189

<210> 260  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<400> 260  
 cctttccccc ttcattgggag acaacgataa cgaaaccttg gccaacgtta cctcagccac 60  
 ctgggacttc gacgacgagg cattcgaatga gatctccgac gatgccaagg atttcatcag 120  
 caatctgctg aagaaagata tgaaaaaccg cctggactgc acgcagtgcc ttcagcatcc 180  
 atgggctaata aaagatacca agaacatgga ggccaagaaa ctctccaagg accggatgaa 240  
 gaagtacatg gcaagaagga aatggcagaa aacgggcaat gctgtgagag ccattggaag 300  
 actgtcctct atggcaatga tctcagggtc cagtggcagg aaatcctcaa cagggtcacc 360  
 aaccagcccg ctcaatgcag aaaaactaga atctgaagaa gatgtgtccc aagctttcct 420  
 tgaggctgtt gctgaggaaa agcctcatgt aaaaccctat ttctctaaga ccattcgcga 480  
 tttagaagtt gtggagggaa gtgctgc 507

<210> 261  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens

<400> 261  
 tttttttttt tttttttttt ttttttgccc gagactccaa gactattatt tttatttccg 60  
 gacaaaaaca tctgcttcac acagtgcacg gcataaaatg aagaggaaag aacttgtatc 120  
 ccaaagcctg gctttctgta tcatccacaa attaagacag catctgctga gcccatgctg 180  
 agcctgtcac agt 193

<210> 262  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 183, 184, 185, 193  
 <223> n = A,T,C or G

<400> 262  
 ccactttccc caggagcagg ccacagaccc ccttgtggac agcctgggca gtggcattgt 60  
 ctactcagcc cttacctgcc acctgtgcgg ccacctgaaa cagtgtcatg gccaggagga 120  
 tgggtggccag acccctgtca tggccagtcc ttgctgtggc tgctgctgtg gagacaggtc 180  
 ctnnnccctt acnaccctcc tgagggtccc agaccctct ccagggtggg ttcca 235

<210> 263  
 <211> 493  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 263

```

agaatttcag cagttctctg atttttatat tttattcctc ttcctatcca atccctgcct 60
tttgagtcca ggtggttaagt acattttctt taacgttttt cctgcttttc ttcccaaagt 120
tgtctttttc tttgggtctac tgtaccctgc ttccagtgcgt gtccccggca taggtccatc 180
tctgcagaag ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag 240
cgaaatgggc acaccacagg gagaaaactg cttgtcctgg atgtttgaaa agtcggtcga 300
tgtcatggtg tgttacttca tcctatctat cattaactcc atggcacaaa gttatgccaa 360
acgaatccag cagcgggtga actcagagga gaaaactaaa taagtagaga aagttttaaa 420
ctgcagaaat tggagtggat gggttctgcc ttatatggg aggactccaa gccgggaagg 480
aaaattccct ttt                                     493

```

&lt;210&gt; 264

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 264

```

agaatttcag cagttctctg atttttatat tttattcctc ttcctatcca atccctgcct 60
tttgagtcca ggtggttaagt acattttctt taacgttttt cctgcttttc ttcccaaagt 120
tgtctttttc tttgggtctac tgtaccctgc ttccagtgcgt gtccccggca taggtccatc 180
tctgcagaag ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag 240
cgaaatgggc acaccacagg gagaaaactg gttgtcctgg atgtttgaaa agtcggtcgt 300
tgtcatggtg tgttacttca tcctatctat cattaactcc atggt                                     345

```

&lt;210&gt; 265

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 265

```

tagaagagct aacctcacac tcatcccact ctaaactatg tgattcaaca ctgattttac 60
atccaacaaa gtgaaatctt gatagttggg tgtaaaaagg agagtaatgg agatttcaga 120
gtagttgggg ttgcttactt ttcattttta attccttagg ttttgtaagt tacacacttc 180
aagcattata gatgatcctc tttttactac tgaactaatg aagccttttt cattgcattg 240
ttctgcattt atttctacag ggagaaaact ggttgtcctg gatgtttgaa aagttgggtc 300
ttgtcatggt gtgttacttc atcctatcta tcattaactc catggcacaa agttatgcc 360
aacgaatcca gcag                                     374

```

&lt;210&gt; 266

&lt;211&gt; 360

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 266

```

tttttttttt tttttttttg tgcggtggga attctctaatt tgtatcatgt gggccttttg 60
aaagtaacaa acagaaggcc agtctgctgc aagtttgctg ctgaacatca cattccaccc 120
taagaaaaca caagtggtgat tgcacgagg gtggatacct taccttagca cggaaggaaa 180
aagtatgtca gtgcaaagta tggactaaac tgctttcagg aaaaaagttg taaaaattga 240
tacaggttgg aaaagggaat tttccttccc ggcttgagg cctcccaatt taaggcagaa 300
cccatccact ccaatttctg cagtttaaaa ctttctctac ttatttagtt ttctcctctg 360

```

&lt;210&gt; 267

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 267

```

ctggaattgt catctttgga acagtgattg caacagcact tatgggattg acagagaaac 60
tgattttttc cctgagagat cctgcataca gtacattccc gccagaagggt gttttcgtaa 120

```

```

atacgccttg ccttctgac ctggtgttcg gggccctcat ttttggata gtcaccagac 180
cgcaatggaa acgtcctaag gagccaaatt ctaccattct tcatccaaat ggaggcatga 240
acaggga                                           247

```

```

<210> 268
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<400> 268
taatggattt gtttggagat ggcatgttg tagacgactg aatatggaaa ggatatcaag 60
ttatctattt tgtaatttt atttttggtt tttatcatct agatttttat catggattag 120
tctgaaattt aaagttcttg ccagtcgggt ttctttcatc ttgtagtttt tacagtattt 180
ccactgtgca tatgcaaaat ggggtattaca taactgtatc atatttggtt ttgataattt 240
tttttttttt ttggaaacgg gtttttggtt tggcccagcc caaaaacatc ccttggttac 300
cccttcgagg gaaaaaaaac caaacccctt ttctggggaa aaaaaaggg          350

```

```

<210> 269
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 81, 195, 231, 247, 298, 307, 317, 395, 427, 446, 451
<223> n = A,T,C or G

```

```

<400> 269
ttttttttta atcaaagagt agtttattaa aaaaggaatc aaacaggaaa ctctaagtac 60
cagtgtgtac attgtacaat nttaaatgac tcacgagaat gaagtttttt tcaaataat 120
taagatcaca ccaccttggt gtttatcgaa agatattcaa ggagaaagat ctgactctcc 180
aaactgcac tgagnattgc cactttaaac aggacctcat ttcaaacatg ncaacaacgc 240
cactggntaa taaaggcttt gggaatgggg tgctcattct attatttcac tacaacnngc 300
atagganagg caggagnagt tggggaattt attctaaaat aggaatggga gggttgtcca 360
tctacagcag gcactccttc acttcctctg ttgnccttt ttaggcagta ctccttggtc 420
ggtcttngaa cggttttcca accctnttca ntggg          455

```

```

<210> 270
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17, 20, 391, 430
<223> n = A,T,C or G

```

```

<400> 270
ttttctgacg tctgttctn aggctggaag aaatgagcag aaaacaaggg atgagtactt 60
tttagagtat gtgcatgtta cgtaatacct gtttctgggc aatgctgctt cttctgactc 120
aacaatggg gagagcaaat tgaaaatgag taaattggaa ggcaagttct gaaattaaac 180
gttgactttt ggcctgatgt tctgaccttt aaggaagcaa gattttgtta acttccaaat 240
atttactatt ctgaactgcc gtgtaaacct gacgtattcc caagtcaaca taccagtata 300
ccaataggat gtgaataatg ttgtgttgga gtttaaaacc atagcagttt tgctctggca 360
agtaatggaa agcgttctcg cttcctgagt ntgagctcca gcagactgca gagtggccag 420
tgccacagtn gtagcctgac ttcc          444

```

```

<210> 271
<211> 502
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 271

```

ggttctgcgc tggtcggcgg agtagcaagt ggccatgggg agcctcagcg gtctgcgcct 60
ggcagcagga agctgtttta gggtatgtga aagagatggt tcctcatctc taaggcttac 120
cagaagctct gatttgaaga gaataaatgg atttgcaca aaaccacagg aaagtcccg 180
agctccatcc cgcacttaca acagagtgcc ttacacaaa cctacggatt ggcagaaaaa 240
gatcctcata tggtcaggtc gcttcaaaaa ggaaggtgaa atcccagaga ctgtctcgtt 300
ggagatgctt gatgctgcaa agaacaagat gcgagtgaag atcagctatc taatgattgc 360
cctgacgggtg gtaggatgca tcttcatggt tattgagggc aagaaggctg cccaaagaca 420
cgagacttta acaagcttga acttagaaaa gaaagctcgt ctgaaagagg aagcagctat 480
gaaggccaaa acagagtagc ag

```

&lt;210&gt; 272

&lt;211&gt; 377

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 272

```

ggttctgcgc tggtcggcgg agtagcaagt ggccatgggg agcctcagcg gtctgcgcct 60
ggcagcagga agctgtttta gggtatgtga aagagatggt tcctcatctc taaggcttac 120
cagaagctct gatttgaaga gaataaatgg atttgcaca aaaccacagg aaagtcccg 180
agctccatcc cgcacttaca acagagtgcc ttacacaaa cctacggatt ggcagaaaaa 240
gatcctcata tggtcaggtc gcttcaaaaa ggaaggtgaa atcccagaga ctgtctcgtt 300
ggagatgctt gatgctgcaa agaacaagat gcgagtgaag atcagctatc taatgattgc 360
cctgacgggtg gtaggaa

```

&lt;210&gt; 273

&lt;211&gt; 552

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 273

```

agctcggaat tcggctcgag tctgctcagc ctggtgaacc cacaggcccg agtttcaccc 60
agtccccact ccacggtgca gctgcggcct atctctcagc ccagcgagat gccagccttc 120
ctgtcccggg ccagcgtctt gacatgcaga aggtgaccct gggcctgctt gtgttcttg 180
caggctttcc tgtcctggac gccaatgacc tagaagataa aaacagtcct ttctactatg 240
actggcacag cctccagggtt ggcgggctca tctgcgctgg ggttctgtgc gccatgggca 300
tcatcatcgt catgagtgc aatgcaaat gcaagtttgg ccagaagtcc ggtcaccatc 360
caggggagac tccacctctc atcacccag gctcagccca aagctgatga ggacagacca 420
gctgaaattg ggtggaggac cgttctctgt cccaggtcc tgtctctgca cagaaacttg 480
aactccagga tggaaattct cctcctctgc tgggactcct ttgcatggca gggcctcatc 540
tcacctctcg ca

```

&lt;210&gt; 274

&lt;211&gt; 186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 274

```

ctgctcagcc tggatgaacac acagcccgat ttaccagtc ccactccag gtgcagctgc 60
ggcttatctc tcagcccagc gagatgccag ccttctgtgc ccgggccagc gctctgacat 120
gcagaagggtg accctgggac tgcctgtgtt cctggcaggc tttcctgtcc tggagcctaa 180
tgacct

```

&lt;210&gt; 275

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 275

```

tctgctcagc ctggtgaacc acacaggccc gagtttcacc cagtccccac tccacgggtgc 60
agctgcggct tatctctcag cccagcgaga tgccagcctt cctgtcccg ggcagcgtc 120
t

```



<210> 276  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 336  
 <223> n = A,T,C or G

<400> 276  
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 tttctgctcc ttggtcctga gtgtcagcag ccgaagcttc ttttcgttcc ttggcgaggc 120  
 ttttgatggg gctcgggaca tgtggagagc ctactctgac atgagagaag ccaattacat 180  
 cggctcagac aaatacttcc atgctcgggg gaactatgat gctgccaaaa ggggacctgg 240  
 ggggtgcctgg gccgcagaag tgatcagcaa tgccagagag aatatccaga gactcacagg 300  
 ccatggtgcg gaggactcgc tggccgatca ggctgn 336

<210> 277  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<400> 277  
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 ccacagatgg cccagagggtg gtggtagtca ggggtgtgtg gtgtttttag ggttctttag 120  
 tggtgtttct ttcacccagg ggtgggtggt ccagccagtt tgggtgctgac ggtgagagga 180  
 aattagaatc tgtttgcaaa ttgtccaacc caccctctca acatgagggg cttccatttt 240  
 ctgtgttttg taagggaact gtttccttca tgccgccatg ttcctgatata tagttctgat 300  
 ttctttttta caaatgttat catgattaag aaaattttcca gcactttaat ggccaattaa 360  
 ctgagaatgt aagaaaattg atgctgtaca aggcaaataa agctgtttat taaccttgaa 420  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttttgggg 460

<210> 278  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 46, 151, 350, 362, 383, 403, 417  
 <223> n = A,T,C or G

<400> 278  
 ggggttgacg acggagggtc ggtcttcctc tttcctgaga ctgganctgt tcaaacagca 60  
 aacgcccaca gatggcccag aggtgggtgt agtcagggtg tgtgggtgtt tttagggttc 120  
 tttagtgttg tttctttcac ccagggggtg ntgggtcccag ccagtttggt gctgacgggtg 180  
 agaggaaatt agaattctgt tgcaaatgtt ccaacccacc ccctcaacat gaggggcttc 240  
 cattttctgt gttttgtaag ggaactgttt ccttcattgcc gccatgttcc tgatattagt 300  
 tctgatttct ttttaacaaa tgttatcatg attaaagaaa tttccagcan ttaatgggcc 360  
 anttaactga gaatgtaaga aantgatgct gttacaaggc aantaagacc gttttantta 420  
 accctgaaaa aa 432

<210> 279  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<400> 279  
 acgtgacgcg gggccaggcg gccgtacagc agctgcaggc ggagggcctg agcccgcgct 60  
 tccaccagct ggacatcgac gatctgcaga gcatccgcgc cctgcgcgac ttcctgcgca 120

```

aggagtacgg gggcctggac gtgctggtca acaacacggg catcgcttc aaggttgctg 180
atccacacacc ctttcatatt caagctgaag tgacgatgaa aacaaatttc tctggtaccc 240
gagatgtgtg cacagaatta ctccctctaa taaaacccca agggagagtgt gtgaacgtac 300
ctagcatcat gagcgtcaga gcccttaaaa gctgcagccc agagctgcag cagaagttcc 360
gcagtgcagac catcactgag gaggagctgg tggggctcat gaacaagttt gtggaggata 420
caaagaaggg agtgcaccag aaggagggtt ggcccagcag cgcatac 467

```

&lt;210&gt; 280

&lt;211&gt; 626

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 280

```

tacggccggg acgtgacgag gggccaggcg gccgtacagc agctgcaggc ggagggcctg 60
agcccgcgct tccaccagct ggacatcgac gatctgcaga gcatccgcgc cctgcgcgac 120
ttcctgcgca aggagtacgg gggcctggac gtgctggtca acaacacggg catcgcttc 180
aaggttgctg atccacacacc ctttcatatt caagctgaag tgacgatgaa aacaaatttc 240
tctggtaccc gagatgtgtg cacagaatta ctccctctaa taaaacccca agggagagtgt 300
gtgaacgtac ctagcatcat gagcgtcaga gcccttaaaa gctgcagccc agagctgcag 360
cagaagttcc gcagtgcagac catcactgag gaggagctgg tggggctcat gaacaagttt 420
gtggaggata caaagaaggg agtgcaccag aaggagggtt ggcccagcag cgcatacggg 480
gtgacgaaga ttggcgtcac cgttctgtcc aggatccacg ccaggaaact gagtgcagcag 540
aggaaagggt acaagatcct cctgaatgcc tgctgccacg ggtgggtgag aactgacatg 600
gcgggaccca aggccaccaa gagccc 626

```

&lt;210&gt; 281

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 281

```

tggcctgttc ctcagcgagg gcctgaagct agtggataag tttttggagg atgttaaaaa 60
gttgtagcac tcagaagcct tcaactgtcaa cttcggggac accgaagagg ccaagaaaca 120
gatcaacgat tacgtggaga aggttactca agggaaaatt gtggatttgg tcaaggagct 180
tgacagagac acagtttttg ccctggtgaa ttacatcttc tttaaaggca aatgggagag 240
accctttgaa gtcaaggaca ccgaggaaga ggacttccac gtggaccagg cgaccaccgt 300
gaaggtgcct atgatgaagc gtttaggcat gtttaacatc cagcactgta agaagctgtc 360
cagctgggtg ctgctgatga aatacctggg caatgccacc gccatcttct tcctgcctga 420
tgaggggaaa ctacagcacc tggaaaatga actcaccacc gatatcatca ccaagttcct 480
ggaaaat 487

```

&lt;210&gt; 282

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 282

```

tggcctgttc ctcagcgagg gcctgaagct agtggataag tttttggagg atgttaaaaa 60
gttgtagcac tcagaagcct tcaactgtcaa cttcggggac accgaagagg ccaagaaaca 120
gatcaacgat tacgtggaga aggttactca agggaaaatt gtggatttgg tcaaggagct 180
tgacagagac acagtttttg ccctggtgaa ttacatcttc tttaaaggca aatgggagag 240
accctttgaa gtcaaggaca ccgaggaaga ggacttccac gtggaccagg cgaccaccgt 300
gaaggtgcct atgatgaagc gtttaggcat gtttaacatc cagca 345

```

&lt;210&gt; 283

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 283

```

cgcccgccct tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttc aaaaaaaaaa ttttttgggt tttttttttt aaaacttttt tttttttttt 120

```

```

ttttgggggg ggccaaattc ccccccaaaa aaaaaaaaaa agggggggggt ttcccccccc 180
cccctttttt tttttggggg ggtttttttt tttggggggg gcccccccc cctttttttt 240
tttttgga aaatcccc ccttggggg ggtttctttt tcccaaagg agttttttt 300
cccccccc cgggggggg ggggggtttt tttttttta aaaaaaaaaac ccccgga aa 360
aaaaaaacc ccccccccc ccccccccc aaaaaaaaaa aaggggggaa aaatgggggc 420
ccccctttt ttttttttt tttttttgg gggggggaa aaaaacccc ccccccttt 480
tgggggggtt ttttt 495

```

&lt;210&gt; 284

&lt;211&gt; 503

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 284

```

attccgttgc tgtcagcat gaccaagcag ctgggtgact tctggacacg gatggaggag 60
ctccgccacc aagcccgga gcagggggca gaggcagtcc aggccagca gcttgaggaa 120
ggtgccagcg agcaggcatt gaggcccaa gaggatttg agagaataaa acaaaagtat 180
gctgagttga aggaccggtt ggtcagagt tccatgctgg gtgagcagg tgcccgatc 240
cagagtgtga agacagaggc agaggagctg tttggggaga ccatggagat gatggacagg 300
atgaaagaca tggagttgga gctgctgcgg ggcagccagg ccatcatgct gcgctcagcg 360
gacctgacag gactggagaa gcgtgtggag cagatccgtg accacatcaa tgggcgcgtg 420
ctctactatg ccacctgcaa gtgatgctac agcttcacg ccgttgcccc actcatctgc 480
cgcctttgct tttggttggg ggc 503

```

&lt;210&gt; 285

&lt;211&gt; 581

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 285

```

agtggcactg caggaagctc aggacaccat gcaaggcacc agccgctccc ttcggcttat 60
ccaggacagg gttgctgagg ttcagcaggt actgcggcca gcagaaaagc tggtgacaag 120
catgaccaag cagctgggtg acttctggac acggatggag gagctccgcc accaagccc 180
gcagcagggg gcagaggcag tccaggccca gcagcttgcg gaaggtgcca gcgagcaggc 240
attgagtgcc caagagggat ttgagagaat aaaacaaaag tatgctgagt tgaaggaccg 300
gttgggtcag agttccatgc tgggtgagca ggggtcccgg atccagagt tgaagacaga 360
ggcagaggag ctgtttggg agaccatgga gatgatggac aggatgaaag acatggagt 420
ggagctgctg cggggcagcc aggccatcat gctgcgctca gcggacctga caggactgga 480
gaagcgtgtg gagcagatcc gtgaccacat caatgggcgc gtgctctact atgccacctg 540
caagtgatgc tacagcttcc agcccggtgc cccactcatc t 581

```

&lt;210&gt; 286

&lt;211&gt; 598

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 286

```

agtggcactg caggaagctc aggacaccat gcaaggcacc agccgctccc ttcggcttat 60
ccaggacagg gttgctgagg ttcagcaggt actgcggcca gcagaaaagc tggtgacaag 120
catgaccaag cagctgggtg acttctggac acggatggag gagctccgcc accaagccc 180
gcagcagggg gcagaggcag tccaggccca gcagcttgcg gaaggtgcca gcgagcaggc 240
attgagtgcc caagagggat ttgagagaat aaaacaaaag tatgctgagt tgaaggaccg 300
gttgggtcag agttccatgc tgggtgagca ggggtcccgg atccagagt tgaagacaga 360
ggcagaggag ctgtttggg agaccatgga gatgatggac aggatgaaag acatggagt 420
ggagctgctg cggggcagcc aggccatcat gctgcgctca gcggacctga caggactgga 480
gaagcgtgtg gagcagatcc gtgaccacat caatgggcgc gtgctctact atgccacctg 540
caagtgatgc tacagcttcc agcccggtgc cccactcatc tgccgccttt gcttttgg 598

```

&lt;210&gt; 287

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 287

```

ctgcccttca cctcgagtg gacctgcaaa atcctgacct ggtgtcactc ctgttgaagt 60
gtggggctga tgtcaacaga gttacctacc agggctattc tccctaccag ctcacctggg 120
gccgcccaag caccggata cagcagcagc tgggccagct gacactagaa aaccttcaga 180
tgctgccaga gagtgaggat gaggagagct atgacacaga gtcagagttc acggagttca 240
cagaggacga gctgccctat gatgactgtg tggttgaggg ccagcgtctg acgttatgag 300
cgcaaagggg ctgaaa                                     316

```

&lt;210&gt; 288

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 288

```

atgattagga gaagtgggtg ccacagtcga aaaatcccaa ggcccaaacc tgcaccactg 60
actgtcgaaa tacagcaaaa gattttgcat ttgccaacat cttgggactg gagaaatgtt 120
catggtatca attttgtcag tcctgttcga aaccaagcat cctgtggcag ctgctactca 180
tttgcttcta tgggtatgct agaagcgaga atccgtatac taaccaacaa ttctcagacc 240
ccaatcctaa gccctcagga ggttgtgtct tgtag                                     275

```

&lt;210&gt; 289

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 289

```

cagaagggaa caccagagct ttgctaataa ttagtgtggt caagagccgt ctgagcctaa 60
tgagtccag ctgcattagg ttaagagact cttccagagc catcgccagg tcgggaatgg 120
cacctctccc taggatacac agcctgcagg tccccaggac ctggatgaca ccgcctcac 180
tgtggcagtg tattgcctgt taattgctgc taattcta tctgatgatg actcctactc 240
cattgtttac cccaaagcat cagctaggct ggagtgattt gttacaaatg agcaaaagat 300
gagtccttgc ttcctcaga aataaaagga gctcagctgc agcgttgcat tgggcttctt 360
ggcctcccaa ctcttccac tcccagaatc cagaagtaag ctctgcatgt tccccttctt 420
gggaggaaac cagttgtcag aaggatgtat gatgaccccc tcccctccca tccttcacct 480
cctaagcagt cctggctttt cctcatcact cccctctaca gt                                     522

```

&lt;210&gt; 290

&lt;211&gt; 331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 290

```

aacaccagag ctttgctaat aattagtgtg gtcaagagcc gtctgagcct aatgagtcct 60
agctgcatta ggttaagaga ctcttcaga gccatcgcca ggtcttgaat ggcacctctc 120
cctaggatac acagcctgca ggtccccagg acctggatga caccgcctc actgtggcag 180
tgtattgcct gttaattgct gctaattcta attctgatga tgactcctac tccattgttt 240
accccaaagc atcagctagg ctggagtgat ttgttacaaa tgagcaaaag atgagtcctt 300
gcttcctctca gaaataaaag gagctcagct g                                     331

```

&lt;210&gt; 291

&lt;211&gt; 228

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 291

```

gagatgcaaa gcaggattca aaagaacatc tttgcgtttt ctaccggctc cccatcatcg 60
tactaggagg gaagaagcgg gtgagaaaaca aaacttcttt ccattgtcct gcccgtttct 120
gcggacttgt tctgagggcg aggcacctct aagatactga tggtctctga gaggacctat 180
tcattgtctc tgcttttgct gctgaccctg ctggggctgg ggctggtc                                     228

```

&lt;210&gt; 292

<211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 292  
 ggagctgtcc tgcaccgtgg tggagctgaa gtacacaggc aatgccagcg cactcttcat 60  
 cctccctgat caagacaaga tggaggaagt ggaagccatg ctgctcccag agaccctgaa 120  
 gcggtggaga gactctctgg agttcagaga gataggtgag ctctacctgc caaagttttc 180  
 catctcgagg gactataacc tgaacgacat acttctccag ctgggcattg aggaagcctt 240  
 caccagcaag gctgacctgt cagggatcac aggggccagg aaccctacag tctcccaggt 300  
 ggtccataag gctgtgcttg atgtatttga ggagggcaca ga 342

<210> 293  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 293  
 ggagctgtcc tgcaccgtgg tggagctgaa gtacacaggc aatgccagcg cactcttcat 60  
 cctccctgat caagacaaga tggaggaagt ggaagccatg ctgctcccag agaccctgaa 120  
 gcggtggaga gactctctgg agttcacaga gataggtgag ctctacctgc caaagttttc 180  
 catctcgagg gactataacc tgaacgacat acttctccag ctgggcattg aggaagcctt 240  
 caccagcaag gctgacctgt cagggatcac aggggccagg aacctagcag tctcccaggt 300  
 ggtccataag g 311

<210> 294  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 294  
 cggctgagag aagacgacag aagggaagat ggaggaagtg gaagccatgc tgctcccaga 60  
 gaccctgaag cgggtggagag actctctgga gtccagagag ataggtgagc tctacctgcc 120  
 aaagttttcc atctcgaggg actataacct gaacgacgac ttctccagct gggcattgag 180  
 gaagccttca ccagcaaggc tgacctgtca gggatcacag gggccaggaa cctagcagtc 240  
 tcccagggtgg tccataaggc tgtgcttgat gtatttgagg agggcacaga agcatctgct 300  
 gccacagcag tcaaaatcac cctcctttct gcattagtgg agacaaggac cattgtgcgt 360  
 ttcaacaggc ccttctctgat gatcattgtg cctacagaca cc 402

<210> 295  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 295  
 ttccatctcg agggactata acctgaacga cgacttctcc agctgggcat tgaggaagcc 60  
 ttcaccagca aggtgacct gtcagggatc acagggggcca ggaacctagc agtctcccag 120  
 gtggtccata aggtgtgct tgatgtattt gaggagggca cagaagcatc tgctgccaca 180  
 gcagtcacaaa tcaccctcct ttctgcatta gtggagacaa ggaccattgt gc 232

<210> 296  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400> 296  
 tgactctgac ttctgaggaa gagggccggt tgaagaagag tgcacatcac tttgggggat 60  
 ccaaaaggag ctgcaathtt aaagtcttct gatgtcatat catttcaactg tctaggctac 120  
 aacaggattc taggtggagg ttgtgcatgt tgtccttttt atctgatctg cgattaaaagc 180  
 agtaatathtt taagatggac tgggaaaaac atcaactcct gaagtttagaa ataagaatgg 240  
 tttgtaaaat ccacagctat atcctgatgc tggatggtat taatcttgtg tagtcttcaa 300  
 ctggttagtg tgaaatagtt ctgccacctc tgacgcacca ctgccaatgc tgtacgtact 360

gcatttgccc cttgagccag gtggatgttt accgtgtgtt atataactta ctggctcctt 420  
cactgaacat gccta 435

<210> 297

<211> 309

<212> DNA

<213> Homo sapiens

<400> 297

atcatttcac tgtctaggct acaacaggat tctaaggga cgttgtgcat gttggccttt 60  
gtatctgac tgtgattaaa gcagtaatat ttttaagatgg actgggaaaa acatcaactc 120  
ctgaagttag aaataagaat ggtttgtaaa atccacagct gtatgctgaa gctggatggg 180  
attaatcttg cgtagtcttc aactggtttag gtgaaatagt tctgccacct ctgacgcacc 240  
actgccaatg ctgtacgtac tggatttggc ccttgagcca ggtggatgtt caccgggcgt 300  
gatataact 309

<210> 298

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 342

<223> n = A,T,C or G

<400> 298

atcatttgac tgtctaggct acaacaggat tctagggtga ggttgtgcat gttgtccttt 60  
ttatctgac tgtgattaaa gcagtaatat ttttaacatgg actgggaaaa acatcaactc 120  
ctgaagttag aaataagaat ggtttgtaaa atccacagct atatcctgat gctggatggg 180  
attaatcttg tgtagtcttc aactggtttag ttgaaatagt tctgccacct ctgacgcacc 240  
actgccaatg ctgtacgtac tgcatttggc ccttgagcca ggtggatgtt taccgtgtgt 300  
tatataactt cctggctcct tcaactgaaca tgcctagtcc an 342

<210> 299

<211> 266

<212> DNA

<213> Homo sapiens

<400> 299

gggacagaat ggctatctcg gaccttgatga aggtgactct gacttctgag gaagacgccc 60  
gcttgaagaa gagagcccat acactttggg ggatccaaaa cgagctgcga ttttcaagtc 120  
ttctgatgtc atatcattcc actgtctagg ctacaacagg attctagggg gacgttggtc 180  
atgttggcct ttttatctga tctgtgacta aagcactaat attttaagat ggactgggaa 240  
aaacatcaac tctgaagtt agaaat 266

<210> 300

<211> 383

<212> DNA

<213> Homo sapiens

<400> 300

ggacagaatg gaatctcaga ccttgtgaag gtgactctga cttctgagga agaggcccgt 60  
ttgaagaaga gtgcagatac actttggggg atccaaaagg agctgcaatt ttaaagtctt 120  
ctgatgtcat atcatttcac tgtctaggct acaacaggat tctagggtga ggttgtgcat 180  
gttgaccttt ttatctgac tgtgattaaa gcagtaatat ttttaagatgg actgggaaaa 240  
acatcaactc ctgaagttag aaataagaat ggtttgtaaa atccacagct atatcctgat 300  
gctggatggg attaatcttg tgtagtcttc aactggtttag tgtgaaatag ttctgccacc 360  
tctgacgcac cactgccaat gct 383

<210> 301

<211> 453

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 301

```

aaccgcttct ccggtgaaca acatactaga tggggacaga atggaatctc agaccttgtg 60
aagggtgactc tgacttctga ggaagaggcc cgtttgaaga agagtgcaga tacacttttg 120
gggatccaaa aggagctgca attttaaagt cttctgatgt catatcattt cactgtctag 180
gctacaacag gattctagggt ggaggttggt catgttgctc tttttatctg atctgtgatt 240
aaagcagtaa tattttaaga tggactggga aaaacatcaa ctctgaagt tagaaataag 300
aatggtttgt aaaatccaca gctatatacct gatgctggat ggtattaatc ttgtgtagtc 360
ttcaactggt tagtgtgaaa tagttctgcc acctctgacg caccactgcc aatgctgtac 420
gtactgcatt tgccccttga gccaggtgga tgt 453

```

&lt;210&gt; 302

&lt;211&gt; 383

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 302

```

ggacagaatg gaatctcaga ccttgatgaag gtgactctga cttctgagga agaggcccg 60
ttgaagaaga gtgcagatac actttggggg atccaaaagg agctgcaatt ttaaagtctt 120
ctgatgtcat atcatttcac tgtctaggct acaacaggat tctagggtgga ggtgtgcat 180
gttgaccttt ttatctgac tgtgattaaa gcagtaatat tttaagatgg actgggaaaa 240
acatcaactc ctgaagttag aaataagaat ggtttgtaaa atccacagct atatcctgat 300
gctggatggt ataatcttg ttagtcttc aactggtag tgtgaaatag ttctgccacc 360
tctgacgcac cactgccaat gct 383

```

&lt;210&gt; 303

&lt;211&gt; 97

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 303

```

gttgcccttg agatgatcaa agtaactggt ggctatccat ttgaagctta caaaaattgt 60
tttcttaact tagccattcc aattgtagta tttacag 97

```

&lt;210&gt; 304

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 304

```

gccctagtta ttataccata ttacatcatt actctatgta attatctatg aagctatgta 60
gttatttacc cctgtattaa gtgattttag actgttgta ttttttgagt tacagcatgt 120
gctttcaaaa tagggagact gtatggttga attaatattt ttttaataaa ctgttaacat 180
gtatagagta ggttgaaagt ttgaaagtat aaaatatact aaaagtatac agacctgtaa 240
taagaaattt atattactat agtcccatag ctgcttttac tatccacaga gaaatgcttg 300
aaaacgtgaa agttgaatag atgcaattaa aatcacggat agtttttaggc tgtttatatt 360
atcagatcac cttcttttat ctagggtgac ttggagatga tcaaagtaac tgggtggctat 420
ccatttgaag cttacaaaaa tt 442

```

&lt;210&gt; 305

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 305

```

gagacgttcg cacacctggg tgccagcgcc ccagaggtcc cgggacagcc cgaggcgccg 60
cgcccgccgc cccgagctcc ccaagccttc gagagcgcg cactctccg gtctccactc 120
gctcttccaa caccgctcg ttttgccggc agctcgtgtc ccagagaccg agttgcccc 180
gagaccgaga cgccgcccgt gcgaaggacc aatgagagcc ccgctgctac cgccggcgcc 240
ggtggtgctg tcgctcttga tactcggctc aggccattat gctgctggat tggacctcaa 300

```

tgacacctac tctggaagc gtgaaccatt ttctggggac cacagggctg atggatttga 360  
 ggttacctcc agaagggagg 380

<210> 306  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 306  
 ccagtactgc ctctctgtgt cgtgccaaaga cacagtgaat ataacccccca gctcagcctc 60  
 ctggccaagt tccgcagcgc ctccctgcac agtgagccac tcatgccaca caacgccacc 120  
 tctctgact ctt 133

<210> 307  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 307  
 tccagtactg cctctgtgtc tcgtgccaaag acacagtga tataaccccc agctcagcct 60  
 cctggccaag ttccgcagcg cctccctgca cagtgaacca ctcatgccac acaacgccac 120  
 ctatcctgac tctttccagc agcctccgtg ctctgcactc cctccctcac ccagccacgc 180  
 gttctcccag tccccgtgca cggccagcta cctcactcc ccaggaagtc cttctgagcc 240  
 agagagtccc tatcaacact cagactttcg accagtttgt tacgaggagc cccacttgt 300  
 gctcggtcgc ctactatgaa ctgaacaacc gagttgggga gacattccag gcttcctccc 360  
 gaagtgtgtc catagatggg ttcaccgacc cttcaaataa caggaacaga ttctgtcttg 420  
 gacttctt 428

<210> 308  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<400> 308  
 cggctgcgag aagacgacag aaggggggaa tgtgtctggc ccttcagcag tttctcttgg 60  
 cagcatcagc tgggctgctt tctttgtgtg tggccccagg tgtcaaatg acaccagctg 120  
 tctgtactag acaagggttac caagtgcgga attgggtta actaacagag agatttgctc 180  
 cattctcttt ggaataacag gacatgctgt atagatacag gcagtaggtt tgctctgtac 240  
 ccatgtgtac agcctaccca tgcagggact gggattcgag gacttccagg cgcataagggt 300  
 agaaccfaat gatagggtag gagcatgtgt tctttagggc cttgtaaggc tgtttccttt 360  
 tgcattctgga actgactata taattgtctt caatgaagac taattcaatt ttgcatatag 420  
 aggagccaaa gagagatttc agctctgtat ttgtggtatc agtttgga aaataaatct 480  
 gatactccat ttgatta 497

<210> 309  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<400> 309  
 gggaaatgtgt ctggcccttc agcagtttct cttggcagca tcagctgggc tgctttcttt 60  
 gtgtgtggcc ccaggtgtca aaatgacacc agctgtctgt actagacaag gttaccaagt 120  
 gcggaatttg ttaataactaa cagagagatt tgctccattc tctttggaat aacaggacat 180  
 gctgtataga tacaggcagc aggtttgtctc tgtacccatg tgtacagcct acccatgcag 240  
 ggactgggat tcgaggactt ccaggcgcac agggtagaac caaatgatag ggtaggagca 300  
 tgtgttcttt aaggccttgt aaggctgttt ccttttgcac ctggaactga ctatat 356

<210> 310  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens



<400> 310  
 gggaatgtgt ctggcccttc agcagtttct cttggcagca tcagctgggc tgctttcttt 60  
 gtgtgtggcc ccaggtgtca aaatgacacc agctgtctgt actagacaag gttaccaagt 120  
 gcggaattgg ttaatactaa cagagagatt tgctccattc tctttggaat aacaggacat 180  
 gctgtataga tacaggcagt aggtttgctc tgtacccatg tgtacagcct acccatgcag 240  
 ggactgggat tcgaggactt ccaggcgcat agggtagaac caaatgatag ggtaggagca 300  
 tgtgttcttt agggccttgt aaggctgttt ccttttgcac ctggaact 348

<210> 311  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 311  
 aagttgtggt ctgacacaca ctgctgtggt tcccctggat ttagtgaaat gccgtatgca 60  
 ggtggacccc caaaagtaca agggcatatt taacggattc tcagttacac ttaaagagga 120  
 tggtgttcgt ggtttggcta aaggatgggc tccgacttcc cttggctact ccatgcaggg 180  
 actctgcaag tttggctttt atgaagtctt taaagtcttg tatagcaata tgcttggaga 240  
 ggagaatact tatctctggc gcacatcact atatttggct gcctctgcca gtgctgaatt 300  
 ctttgcctgac attgccctgg ctccctatgga agctgct 337

<210> 312  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 144  
 <223> n = A,T,C or G

<400> 312  
 agcccaagcc ctcagtggaa cctgtcaaga gcatcagcag catggagctg aagaccgagc 60  
 cctttgatga cttcctgttc ccagtgacac ttcagagagc tggtagttag tagcatgttg 120  
 agccaggcct gggctctgtg ctcttttctc tttctccta gtcttctcat agcattaact 180  
 aatctatttg gttcattatt ggaattaacc tgggtgctgga tattttcaaa ttgtatctag 240  
 tgcagctgat tt 252

<210> 313  
 <211> 51  
 <212> DNA  
 <213> Homo sapiens

<400> 313  
 actcccagct gcactgggta cacgtcttcc ttcgtcttca cctaccccga g 51

<210> 314  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 314  
 atggccacag agctggagcc cctgtgcact ccggtgggtc cctgtactcc cagctgcact 60  
 gcttacacgt cttccttcgt cttcacctac cccgaggctg actccttccc cagctgtgca 120  
 gctgcccacc gcaagggcag cagcagcaat gagccttccct ctgactcgct cagctcacc 180  
 acgctgtgag ccctgtgagg gggcagggaa ggggaggcag ccggcaccga caagtgccac 240  
 tgcccagagc ggtgcattac agagaggaga aacacatctt ccctagaggg ttcctgtaga 300  
 cctagggagg accttatctg tgcgtgaaac acaccaggct gtgggccc 348

<210> 315  
 <211> 507  
 <212> DNA

<213> Homo sapiens

<400> 315

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ccggtggtca cctgtactcc cagctgcact gcttacacgt cttccttcgt cttcacctac 60
cccgaggctg actccttccc cagctgtgca gctgcccacc gcaagggcag cagcagcaat 120
gagccttcct ctgactcgct cagctcacc cagctgctgg ccctgtgagg gggcagggaa 180
ggggaggcag ccggcaccca caagtgccac tgcccagact ggtgcattac agagaggaga 240
aacacatctt ccctagaggg ttcctgtaga cctagggagg accttatctg tgcgtgaaac 300
acaccaggct gtgggcctca aggacttgaa agcatccatg tgtggactca agtccttacc 360
tcttcgggag atgtagcaaa acgcatggag tgtgtattgt tcccagtgac acttcagaga 420
gctggtagtt agtagcatgt tgagccaggc ctgggtctgt gtctcttttc tctttctcct 480
tagtcttctc atagcattaa ctaatct 507
```

<210> 316

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 223

<223> n = A,T,C or G

<400> 316

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agactccaag ccctactggg aggcacggag ggtggcgagg caggctcagc tggaagctca 60
gaaagccacg caggacttcc agagggccac agaggtgctc cgcccgcca aggagacat 120
ctccctggcc gagcagcggc tgctggagga tgacaagcgg cagttcgact ccgcctggca 180
ggagatgctg aatcacgcca ctcagagggg catggaggcg ganagaccaa gaccaggag 239
```

<210> 317

<211> 313

<212> DNA

<213> Homo sapiens

<400> 317

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catcagtgat agggatgatt cacaaacaca aagctggtct tttcaaaatg ggaagaaaaa 60
agatgcaatt gatcccttac tattcaagta taaagtgcaa cccactaaaa aagaattaca 120
tgagtctgct attgttaaag caacacaaat cagccggaga aaacacctat tttctcgtga 180
taaaactaaag ctttttctga agcaacactg ggaaccacaa gatggagtca ttaaaataaa 240
ggcatcatct ctttcaacgg ataaaatagc cgaacaagat tttttcttat ttcttcctg 300
atgattccac ccc 313
```

<210> 318

<211> 574

<212> DNA

<213> Homo sapiens

<400> 318

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aaataacatc aacagaacag cttcactttg ggccaaacat ttgaaaaact ttttataaaa 60
aattgtttga tatttcttaa tgtctgctct gagccttaaa acacagattg aagaagaaaa 120
gaaagaaaaa acttaaatat ttatttctat gctttgttgc ctctgagaat aatgacaatt 180
tatgaatttg tgtttcaa atgataaaata tttaggtaca aataacaaga ctaataatat 240
tttcttattt aaaaaagca tgggaagatt tttattttatc aaaaatataga ggaaatgtag 300
acaaaatgga tataaatgaa aattaccatg ttgtaaaacc ttgaaaatca gattctaact 360
ggatttgtat gcaactaagt atttttctga acacctatgc aggtcttatt tacagtagtt 420
actaaggga cacaacaaga attacacaac gttttcctca agaaaatggg acaaaacaca 480
accgaggagc gtatacagtt gaaaacattt ttgttttgat tggaaggcag attattttat 540
attagtatta aaaatcaaac cctatgtttc tttc 574
```

<210> 319

<211> 518

<212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 319

```

gaagggaaat aacatcaaca gaacaacttc actttgggcc aaacatttga aaaacttttt 60
ataaaaaaatt gtttgatatt tcttaatgtc tgctctgagc cttaaaaacac agattgaaga 120
agaaaagaaa gaaaaaactt aaatatattt ttctatgctt tggtgcctct gagaataatg 180
acaatttatg aatttggtgt tcaaattgat aaaatattta ggtacaaata acaagactaa 240
taatattttc ttatttaaaa aaagcatggg aagattttta ttatcaaaa tatagaggaa 300
atgtagacaa aatggatata aatgaaaatt accatgttgt aaaaccttga aaatcagatt 360
ctaactggat ttgtatgcaa ctaagtattt ttctgaacac ctatgcaggc cttattttaca 420
gtagttacta agggaaacaca caaagaatta cacaacgttt tcctcaagaa aatggtacaa 480
aacacaaccg aggagcgtat acagttgaaa acattttt 518

```

&lt;210&gt; 320

&lt;211&gt; 353

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 320

```

aaataacatc aacagaacaa cttcactttg ggccaaacat ttaaaaaact ttttataaaa 60
aaatgtttga tatttcttaa tgtctgctct gagccttaca acacagattg aagaagaaaa 120
gaaagaacaa acttagatat ttatttctat gctttgttgc ctctgagaat aatgacaatt 180
tatgaatttg agtttcaaat tgataaaata tttaggtact aataacaaga ctaataatat 240
tttcttattt ataaaaagca tggaagatt tttattttat aaaatatata ggaagtgtag 300
acaaaatgga tataaatgaa aattaccatg ttgtaaaacc ttgaaaatca gag 353

```

&lt;210&gt; 321

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 321

```

gacctgcaca cagagactcc ctctctgggt cctggcacca tggccccctg aagagctggc 60
cctggtcacc ctctctctgg gggcttctct gcagcacatc cagcagctc gagggaccaa 120
tgtgggccgg gagtgtctgc tggagtactt caagggagcc attcccctta gaaagctgaa 180
gacgtgtgtac cagacatctg aggactgctc cagggatgcc atcgtttttg taactgtgca 240
gggcagggcc atctgttcgg accccaacaa caagagagtg aagaatgcag ttaaatacct 300
gcaaagcctt gagaggtctt gaagcctcct caccacagac tcctgactgt ctccggggac 360
tacctgggac ctccaccggt ggtgttcacc gccccaccc t 401

```

&lt;210&gt; 322

&lt;211&gt; 547

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 322

```

gacctgcaca cagagactcc ctctctgggt cctggcacca tggccccact gaagatgctg 60
gccctggtca ccctcctcct gggggttct ctgcagcaca tccacgcagc tcgagggacc 120
aatgtgggcc gggagtgtct cctggagtac ttcaaggag ccattcccct tagaaagctg 180
aagacgtggt accagacatc tgaggactgc tccagggatg ccatcgtttt tgtaactgtg 240
cagggcaggg ccatctgttc ggacccaac aacaagagag tgaagaatgc agttaaatat 300
ctgcaaagcc ttgagaggtc ttgaagcctc ctacccccag actcctgact gtctcccggg 360
actacctggg acctccaccg ttggtgttca ccgccccac cctgagcgcc tgggtccagg 420
ggaggccttc caggacgaa gaagagccac agtgaggag atcccatccc cttgtctgaa 480
ctggagccat gggcacaaag ggcccagatt aaagtcttta tcctcaaaaa aaaaaaaaaa 540
aaaaaa 547

```

&lt;210&gt; 323

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 323  
 ctgagcagag ggacctgcac acagagactc cctcctgggc tcctggcacc atggcccccac 60  
 tgaagatgct ggccctggtc accctcctcc tgggggcttc ttgagcagac atccacgcag 120  
 ctcgagggac caatgtgggc cgggagtgtt gcctggagta cttcaaggga gccattcccc 180  
 ttagaaagct gaagacgtgg taccagacat ctgaggactg ctccagggat gccatcggtt 240  
 ttgtaactgt gcagggcagg gccatctgtt cggaccccaa caa 283

<210> 324  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 324  
 gcggtgacga cggggaccat ttaccatca ccacccaccc tgagagcaac cagggcaccc 60  
 tgacaaccag gaagggtttg gattttgagg ccaaaaacca gcacaccctg tacgttgaag 120  
 tgaccaacga ggcccctttt gtgtgaagc tcccaacctc 160

<210> 325  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 325  
 tttttttttg gggccaattc ttttaattta ctaaattagg aacgcagctt ttacagaaca 60  
 ataaacacaa gggacggggc caccacagga tctaacagct ttccaggac ctatgttgca 120  
 agctcaaaag taatccacta acgaaccaag tcaaaactcca gtttttaata aaaaggggct 180  
 gggggagggt gtcaaacccc ttccaatata aatccccaat ccgagggcca ccaaatgaaa 240  
 aagcaccaaa aatggaagga aaactttcaa aaattctgca aaaaatatgc cccctttttt 300

<210> 326  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 326  
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 gacgtggcca ccccaggatc taacagctct tcagttagct atgttgcaag ctcagaagta 120  
 atccactaac gaaccaagtc agactccagt tcttcatcaa aagggtgctg tggagggtgt 180  
 cagacgcctt ccaatataga tccccaatcc gatggccagc aaatgagaga gcagcagaga 240  
 tgggaaggaaa acttccagaa attctgcaga gaatatgcc cctttcttca tgacgctcgt 300  
 gttcccccat gctgaagggt gccgtgcgt tccggtgttt aaagaagaac ccttgggggg 360  
 aatatttccc ggccatttga ccaatcccat tcca 394

<210> 327  
 <211> 524  
 <212> DNA  
 <213> Homo sapiens

<400> 327  
 gtctattctt ttattttact aaattaggaa cgcagcattt acagaacaaa taaacacaag 60  
 tgacgtggcc acccaggat ctaacagctc ttcagttagc tatgttgcaa gtcagaagt 120  
 aatccactaa cgaaccaagt cagactccag ttcttcatca aaagggtgctg gtggagggtg 180  
 tcagacgcct tccaatatag atccccaatc cgatggccag caaatgagag agcagcagag 240  
 atggaaggaa aactttcaga aattctgcag agaatatgcc ccctttcttc atgacgctcg 300  
 tgttcctcat gctgagggtg ccgtgcgctt ccggtgttta aagaagaacc cttgggggga 360  
 atatttccgg ccgacttgac caatcccata tccatctgat ttttcttcca gaagctttca 420  
 cttccttctt cttcaatat cactccctca actgtgactg ttttccccc aatgctatgg 480  
 tttctgttca aaaccccggt ggtctgtgtg ggtcgctact ccgt 524

<210> 328  
 <211> 55

<400>	332								
g t t g t g t t g a	g a t c c a g t g c	a g t t g t g a t t	t c t g t g g a t c	c c a g c t t g g t	t c c a g g a a t t	60			
t g t g t g a t t	g g t t t a a a c	c a g t t t t c a a	t c t t c g a c a g	t c g g g c t g g a	a c g t g a a c t c	120			
a t g a g c t g a a	c c t g t c t g a c	c c g g t c a c g t	t c t t g g a t c c	t c g a a c t c t	t t g c t c t g t	180			
c g g g g t g g g g	g t g g g a a c t c	t c g t g a g g a g	c g c c a g c t g t	g t a a a t g c c a	c g a c t c c g t a	240			
a t t c t t a t t c	g g t g g a c c t	t g c t t c c c t c	t g g g a g c t g g	c t c g t t t t g t	t g g t g t c t a a	300			
c c t t t c c c c g	a a t c g t t a a a	g				321			

<210> 333  
 <211> 344  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 265, 267, 272, 337  
 <223> n = A,T,C or G

<400> 333  
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 cgctacggcc ccaggctact gcgaggcact taccatgtag atacgggctc aaaagtcacc 120  
 tctcagagac ctacgtcatc cactcaggaa ttcgcgccctc tcatacttgc ctgtctcatt 180  
 ttatcttctc tctagcagct gtctgaaatt ggttcgtctg ttttcttggt tatggtattc 240  
 tcaagccctt gacagaccgg ctagnngngt tntcccgtgc atcttcagcc tggcacatta 300  
 tggacactta aatactacgt attgatctaa tattganggg ttaa 344

<210> 334  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<400> 334  
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 atggaaatgt tcttgagct acttcctcaa aatgtatcct tagtcacctc agtgcaacag 120  
 ctgggagggg gccgtgttaa gatttttttt gctacaaaaga ggaggtggca atggtagatc 180  
 cacccttatg cttctcagtt tagcataacc tcttatggat tttcatcaaa ttcagcgtgt 240  
 tgggtcactgg aaagagcctt ttcctttctc ttttcttact ctccccctcat ggggttcccc 300  
 tcttaaagga gaggagcttt taatttacac ttaccacctc atttgctttt ttggaggcca 360  
 tgccataataa gcgggactac cgagttaatc tcctttttac aaaag 405

<210> 335  
 <211> 227  
 <212> DNA  
 <213> Homo sapiens

<400> 335  
 ggatgaacta ttcagatgct atcgtttggc taaaagaaca tgatgtaaag aaagaagatg 60  
 gaacttttcta tgaatttgga gaagatatcc cagaagctcc tgagagactg atgacagaca 120  
 ccattaatga accaatcttg ctgtgtcgat ttctgttgga gatcaagtcc ttctacatgc 180  
 agcgatgtcc tgaggattcc cgtcttactg aatctgtcga cgtgttg 227

<210> 336  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

<400> 336  
 tcgaattcgg atgaactatt cagatgctat cgtttggcta aaagaacatg atgtaaagaa 60  
 agaagatgga actttctatg aatttgaga agatatccca gaagctcctg agagactgat 120  
 gacagacacc ataatgaac caatcttgct gtgtcgattt cctgtggaga tcaagtcctt 180  
 ctacatgcag cgatgtcctg aggattcccg tcttactgaa tctgtcgacg tgttgatgcc 240  
 caatgttggg gagattgtgg gaggctcaat gcgtatcttt gatagtgaag aaatactggc 300  
 aggttataaa agggaaggga ttgacccac tccctattac tggatatacg atcagagaaa 360  
 atacggtaca tgtcccatg gaggatatgg cttgggcttg gaacgattct taacgtggat 420  
 tctgaatagg tatcacatcc gagacgtgtg cttataccct cgatttgtcc agcgttgcac 480  
 gccataacca ttttctccag aagcgtggag gaaagattat g 521

<210> 337  
 <211> 325  
 <212> DNA

<213> Homo sapiens

<400> 337

```

ggactttccc gatcgccagg caggagtttc tctcggtgac tactatcgct gtcattgtctg 60
gtcgtggcaa gcaaggaggc aaggcccgcg ccaaggccaa gtcgcgctcg tcccgcgcgg 120
gccttcagtt cccggtaggg cgagtgcata gcttgctgcg caaaggcaac tacgcggagc 180
gagtgggggc cggcgcgccc gtctacatgg ctgcgttcct cgagtatctg accgctgaga 240
tcctggagct ggcgggcaac gcggtcggg acaacaagaa gacgcgcata atccctcgtc 300
acctccagct ggccatccgc aacga                                     325

```

<210> 338

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 264

<223> n = A,T,C or G

<400> 338

```

cgttgctgtc ggttttagga aacctggcat ggtgctttca ggtctggggc ttttagagcc 60
ccccgtgtgg cttacaaatt ctacagcata cagagcaggc cacgctcagg cccggcatgc 120
gggccaccaa gttctggaaa ccacgtgggtg tccctgcgaa tggggcgatc aagtccagag 180
ccggggcact ttcagagttt gaaggtaact gagagcagat ggtcctccat ttcaactcca 240
gaagtggggc tctgggaggg atgntctaac cctccctggc atgtcacaac caggctctgg 300
ctggaggatc cctccatccg gctcctgtca tcccctacac tttggcctag caagaggtgg 360
aataaccact tgtgtgctca ttactgttgg gaggaacaaa g                                     401

```

<210> 339

<211> 460

<212> DNA

<213> Homo sapiens

<400> 339

```

catgcggggc accaagtctt ggaaaccacg tgggtgtccct gcgaatgggg cgatcaagtc 60
cagagccggg gcactttcag agtttgaagg taactgagag cagatgggtcc tccatttcaa 120
ctccagaagt ggggctcttg gagggatggt ctagccctcc ctggcatgtc agaaccaggc 180
tctgcctgga ggatccctcc atccggctcc tgtcatcccc tacacttttg ccaagcaaga 240
agtggtagaa ccacttggct gctccttcc tctggaggac acacagtctc agtccagatg 300
ccttctgtgc tttctggccc tttctggacc agatcctact cttcctttct aaatctgaga 360
tctccctcca gggaaatccg ctgcagagga cagagctggc tgtcttcccc caccctaac 420
ctggcttatt cccaactgct ctgcccactg tgaaaccact                                     460

```

<210> 340

<211> 496

<212> DNA

<213> Homo sapiens

<400> 340

```

tttttttttt tttttttttt tttttgggat tcttaaatat agatgtattt ttttcatctc 60
atctccggac acactccaat cacaccctc ctgccctccc ctctcaactg caaaccaagc 120
ggtgcagaca cagcacagca cacatgaggg gccctccctt tcaccaaagc tgaaggcagg 180
gcacagtttg gggatggaag agcctcgagg taaatgtggg ggttctagaa cccagtgaac 240
tcagtctctg atcatgggaa agggatcagt atgcagtaac gtggtaaggc tccagatcta 300
gaagccagga cctagaacct agtggtttca cagtgggcag agcagttggg aataagccag 360
gttaggggtg ggggaagaca gccagctctg tctctgcag gcggattccc tggagggaga 420
tctcagattt agaaaaggag agtaggatct ggtccagaaa gggccagaaa gacaggaagg 480
catctggact gagact                                     496

```

<210> 341

<211> 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 341

```

tttttttttt tttttttttt ttttttttag gatttgaata catttattgt gacaagaatg 60
ctgttataaa tattcataag caaaggccat ctttttatct aggaattgtc aaagagaaga 120
ttccaaattg gaaggataga tcttttgtaa aatctgccac caattcctgc ttgagaata 180
agcacctatt gtaaaatttc tactaacatt ataaatggc acagcacatg ccacttgata 240
caatccaaac tttgaaatgt ttgacttctc agtgggctgt ccc 283

```

&lt;210&gt; 342

&lt;211&gt; 335

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 342

```

tgtcgggcag caggcgagc ccagcctcga aatgcagaac gacgccggcg agttcgtgga 60
cctgtacgtg ccgcggaat gctccgctag caatcgcatc atcggtgcca aggaccacgc 120
atccatccag atgaacgtgg ccgagggtga caaggtcaca ggcagggtta atggccagtt 180
taaaacttat gctatctgcg gggccattcg taggatgggt gagtcagatg attccattct 240
ccgattggcc aaggccgatg gcatcgtctc aaagaacttt tgactggaga gaatcacaga 300
tgtggaatat ttgtcataaa taaataatga aaacc 335

```

&lt;210&gt; 343

&lt;211&gt; 75

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 343

```

gggtagagtt cttaaatcga gatctggagg tagatggacg ctttgtaacc ctccagatct 60
gggacactgc agggc 75

```

&lt;210&gt; 344

&lt;211&gt; 611

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 344

```

gcccggggggc agcggcgggc gcgagcgcca gctgtcaggc caccgaggtc caagccgcac 60
ttgctgcccc attgaggacg aggaggcagc agggagcagtg acggtgactc taaggagccg 120
gattccccgc acgcagagct gacctgcctg gcacccgcgg ccctctcctg ttcccttccc 180
attgtgttgg caccctaaaa agaaagaata aaacaacaac agggaaaaaa ggaaatatatt 240
taaattgtga caaaaaccca ctgggttctc ttgggttaca actccttccc ttctgggtgct 300
acaaaaatga gtgggaaatc cctgctctta aagggtcattc tcttgggtga tgggtggagt 360
gggaaaagt cgttatgaa ccgttacgta accaacaat ttgactcca ggcttttcac 420
accatagggg tagagttctt aaatcgagat ctggaggtag atggacgctt tgtaaccctc 480
cagatctggg aactgcagg gcaggaacgt ttcaagagcc ttaggacacc cttctacagg 540
ggagcagact gctgcctctt gaccttcagc gtggatgatc ggcagagctt cgagaatctt 600
ggttaactggc a 611

```

&lt;210&gt; 345

&lt;211&gt; 441

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 345

```

ggccttttga agcctcaccg gcgatgcaag gatagtcac aacaggggccc ggttgagtg 60
ccagagccac cggctgactg tggaggaccc ggtcactgtg gactacatca cccgctacat 120
cgccagtctg aagcagcgtt atacgcatag cactgggcgc aggcgtttgg catctctgcc 180
ctcatcgtgg gtttctactt tgatggcact cctaggctct atcagactga cccctctgtc 240
acataccatg cctggaaggc caatgccata cgccgggggtg ccaactcagt gcgtgagttc 300
ctggagaaga actatactga cgaagccatt gtaacatatg atctgaccat taagctggtg 360

```



atcaacgcac tcctggaagt gggtcactca ggtggcaaaa acattgaact tgctgtcatg 420  
 aggcgagatc aatccctcaa g 441

<210> 346

<211> 323

<212> DNA

<213> Homo sapiens

<400> 346

ggcctttgca ggcctcaccg ccgatgcaag gatagtcac aacagggccc gggaggagtg 60  
 ccagagccac cggctgactg tggaggaccc ggtcactgtg gactacatca cccgctacat 120  
 cgccagtctg aagcagcgtt atacgcacag caatgggccc aggcgtttgg catctctgcc 180  
 ctcatcgtgg gtttcgactt tgatggcact cctaggctct atcagactga cccctcgggc 240  
 acataccatg cctggaaggc caatgccata tgccgggggtg ccaagtcagt gcgtgagttc 300  
 ctggagaaga actatactga cga 323

<210> 347

<211> 567

<212> DNA

<213> Homo sapiens

<400> 347

ccagcggcct cttcccttcc ctggtgtgtgc ttgccctggg aactctggca ccttgggctg 60  
 tgggaaggctc tggaaagtcc ttcaaagctg gactctgtcc tcctaagaaa tctgcccagt 120  
 gccttagata caagaaacct gactgcccaga gtgactggca gtgtccaggg aagaagaaat 180  
 gttgtcctga cacttgtggc atcaaagtcc tggatcctgt tgacacccca aaccacaaca 240  
 ggaggaagcc tgggaagtgc ccagtgtact atggccaatg tttgatgctt aaccccccca 300  
 atttctgtga gatggatggc cagtgcgaagc gtgacttgaa gtgttgcagt ggcatgtgtg 360  
 ggaaatcctg cgtttccctt gtgaaagctt gattcctgcc atatggagga ggctctggag 420  
 tcctgtctctg tgtgttccag gtcctttcca ccctgagact tggctccacc actgatatcc 480  
 tcctttgggg aaagccttgg cacacagcag gctttcaaga agtgccagtt gatcaatgaa 540  
 taataaaccg agcctatttc tctttgc 567

<210> 348

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 48

<223> n = A,T,C or G

<400> 348

atgaagtcca ggcgcctctt ccccttcctg gtgctgcttg ccctgggnac tctggcacct 60  
 tgggctgtgg aaggctctgg aaagtccttc aaagctggag tctgtcctcc taagaaatct 120  
 gccagtgccc ttagatacaa gaaacctgag tgccagagtg actggcagtg tccagggaag 180  
 aagagatgtt gtcctgacac ttgtggcatc aaatgcctgg atcctgttga caccacaaac 240  
 ccaacaagga ggaagcctgg gaagtgccta gtgacttatg gccaatgttt gatgcttaac 300  
 cccccaatt tctg 314

<210> 349

<211> 611

<212> DNA

<213> Homo sapiens

<400> 349

ggctctgtct tgcagcacac ccgtgggtga cccctcacc cagaagcagc agtggcagct 60  
 tgggaaatgt gaggaaggga aggaggagga gacgggagga aggagagaga ggagaaggga 120  
 ggcaggggag gggcagcaga accaaggcaa atatttcagc tgggctatac ccctctcccc 180  
 atccctgtta tagaagctta gagagccagc cagcaatgga accttctggt tcctgcgcca 240  
 atcgccacca gtatcaattg tgtgagcttg ggtgcgagtg cacgcgtgag tgagtacgga 300

```

gagtatatat agatctctat ctcttagcaa aggtgaatgc cagatgtaaa tggcgcctct 360
gggcaaaagga ggcttgattt ttgcacattt tataaaaact tgagagaatg agatttctgc 420
ttgtatatatt ctaaaaagag gaaggagccc aaaccatcct ctccttacca ctcccatccc 480
tgtgagccct accttaccct tctgccccta gccaaaggag gtgaatttat agatctaact 540
ttcataggca aaacaaaagc ttcgagctgt tgcgtgtgtg agtctgttgt gtggatgtgc 600
gtgtgtgggc c 611

```

&lt;210&gt; 350

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 350

```

tggctggatg ggcttggact gtggtcctga aagcagcaag aagtatgctg aggctgtcac 60
tcgggctaag cagatttgtt ggaatgggcc tgtgggggta tttgaatggg aagcttttgc 120
ccggggaacc aaagctctca tggatgaggt ggtgaaagcc acttctaggg gctgcatcac 180
catcataggt ggtggagaca ctgccacttg ctgtgccaaa tggaacacgg aggataaagt 240
cagccatgtg agcactgggg gtggtgccag tttggagctc ctggaaggta aagtccttcc 300
tgggggtgat gctctcagca atatttagta ctttcctgcc ttttagttcc tgtgcacagc 360
ccctaagtca 370

```

&lt;210&gt; 351

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 351

```

gggctgcatc accatcatag gtggtggaga cactgccact tgctgtgcca aatggaacac 60
ggaggataaa gtcagccatg tgagcactgg ggggtgtgcc agtttgagc tcctggaagc 120
gaaagtcctt cctgggggtg atgctctcag caatatattag tactttcctg cctttta 177

```

&lt;210&gt; 352

&lt;211&gt; 204

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 53, 55, 76, 86, 137

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 352

```

atggccttta ccttccttaa ggtgctcaac aacatggaga ttgggcactt tcncnggttg 60
atgaagaagg aagccnagat ttgtcnaaga cctaattgcc aaaagctgag aagaatggtg 120
tgaagattac cttgccntgt tgacttgta ctgctgacaa gtttgatgag aatgcccaag 180
actggcccag ccactggtgg cttc 204

```

&lt;210&gt; 353

&lt;211&gt; 489

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 353

```

cttttacctt ccttaagggtg ctccaggacat ggagattggc acttctctgt ttgatgaaga 60
gggagccaag attgtcaaag acctaattgc caaagctgag aagaatggtg tgaagattac 120
cttgccctgt gactttgtca ctgctgacaa gtttgatgag aatgccaaag ctggccaagc 180
cactgtggct tctggcatac ctgctggctg gatgggcttg gactgtgggc ctgaaagcag 240
caagaagtat gctgaggctg tcaactcggc taagcagatt gtgtggaatg gtcctgtggg 300
ggtatttgaa tgggaagctt ttgcccgggg aaccaaagct ctcatggatg aggtggtgaa 360
agccacttct aggggctgca tcaccatcat aggtggtgga gacactgcca cttgctgtgc 420
caaattgaac acggaggata aagtcagcca tgtgagcact ggggggtggtg ccagtttgga 480
gctcctgga 489

```

<210> 354  
 <211> 885  
 <212> DNA  
 <213> Homo sapiens

<400> 354  
 tttttttttt tcacggtttc aatggacact tttattgttt acttaatgga tcatcaattt 60  
 tgtctcacta cctacaaatg gaatttcac ttttttccat gctgagtagt gaaacagtga 120  
 caaagctaata cataataacc tacatcaaaa gagaactaag ctaacactgc tcacttttctt 180  
 ttttaacaggc aaaatataaa tatatgcact ctaaaatgca caatgggttta gtcactaaaa 240  
 aattcaaatg ggatcttgaa gaatgtatgc aaatccaggg tgcagtgaat atgagctgag 300  
 atgctgtgca actgtttaag ggttcctggc actgcatctc ttggccacta gctgaatctt 360  
 gacatggaag gtttttagcta atgcccaggg gaaatgcaaa aaatgctaata ttgacttagg 420  
 gcctgtgcac aggaactaaa aggcaggaaa gtactaaata ttgctgagag catccacccc 480  
 aggaaggact ttaccttcca ggagctccaa actggcacca ccccagtgct tcacatggct 540  
 gactttatcc tccgtgttcc atttggcaca gcaagtggca gtgtctccac cacctatgat 600  
 ggtgatgcag ccccctaaaa gtggctttca ccacctcatc catgagagct ttgggtcccc 660  
 gggcaaaagc ttcccattca aataccccca caggaccatt ccacacaatc tgcttaaccc 720  
 gagtgacagc ctacagcatac ttcttgctgg ttccaggacc acagtccaag ccccatccca 780  
 ccagcaggta tgcaagaagg cccagtgggc ttgccagtct tggcatttct catcaacttg 840  
 tcagcagtga caaagtcaac cggaaggaa tcttcacacc atctt 885

<210> 355  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 355  
 cggctgacag aagacgacag aaggggggag tgggtgctat accttgactt catttatatg 60  
 aatttccact ttattaaata atagaaaaga aaatcccggg gcttgacagta gagtgatagg 120  
 acattctatg cttacagaaa atatagccat gattgaaatc aaatagtaaa ggctgttctg 180  
 gctttttatc ttcttagctc atcttaaata agcagtacac ttggatgcag tgcgtctgaa 240  
 gtgctaataca gttgtaacaa tagcacaaat cgaacttagg atttgtttct tctcttctgt 300  
 gtttcgattt ttgatcaatt cttaaatttt ggaagcctat aatacagttt tctattcttg 360  
 gagataaaaa tttaatggat cactgatatt ttagtcattc tgcttctcat ctaaatattt 420  
 ccatattctg tatt 434

<210> 356  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 356  
 gggagtgggt gctatacctt gacttcattt atatgaattt ccactttatt aaataataga 60  
 aaagaaaatc cgggtgcttg cagtagagtg ataggacatt ctatgcttac agaaaatata 120  
 gccatgattg aaatcaaata gtaaaggctg ttctggcttt ttatcttctt agctcatctt 180  
 aaataagcag taccattgga tgcagtgcgt ctgaagtgtt aatcagttgt aacaatagca 240  
 caaatcgaac ttaggatttg cttcttctct tctgtgttgc gatttttgat caattcttta 300  
 attttgaag cctataat 318

<210> 357  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 357  
 cggctgacag aagacaacag aagggggctc ccgctcggga tctcgtccg gatctcgtc 60  
 cgggtcccgc agtgggtccc ggagaggaag ctttgacgcc acaaggaatt cttcctactc 120  
 ttattcctac tcatttagca gtagttctat tgggcactat tagtcagttg ggagtgggtg 180  
 ctataccttg acttcattta tatgaatttc cactttatta aataatagaa a 231

<210> 358  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

```
<400> 358
atttgctgta tgccgagaat ggaaaaattg gaccaccta actggatatac agaaaggagg 60
agaagcaaat catgattgac atatttcacc cttcagtttt tgtaaatgga gacgagcagg 120
aagtcgatta tgatcccgaa actacctgtt acattagggt gtacaatgtg tatgtgagaa 180
tgaacggaag tgagatccag tataaaatac tcacgcagaa ggaagatgat tgtgacgaga 240
ttcagtgcca gtttagcgatt ccagtatcct cactgaattc tcagtactgt gtttcagcag 300
aaggagtctt acatgtgtgg ggtgttacia ctgaaaagtc aaaagaagtt tgtattacca 360
ttttcaatag cagtataaaa ggttctcttt ggattccagt tggtgctgct ttactactct 420
ttctagtgtt tagcctggta ttcatac 446
```

<210> 359  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 19, 185, 193  
 <223> n = A,T,C or G

```
<400> 359
gagaatttgc tgtatgccng agatggaaaa attggaccac ctaaaactgga tatcagaaaag 60
gaggagaagc aaatcatgat tgacatatatt cacccttcaa gtttttgtaa atggagacga 120
gcaggaaagtc gattatgatc ccgaaactac ctgttacatt aggggtgtaca atgtgtatgt 180
gagantgaac ggnagtgaga tccagtata 209
```

<210> 360  
 <211> 521  
 <212> DNA  
 <213> Homo sapiens

```
<400> 360
tgctgtcggg gactactgaa gaaatattcc tgacgtgggc ccgggcagcc atctgactcc 60
aatagagaga gagagttctt cacttttaag tagtaaccag tctgaacctg gcagcatcgc 120
tttaaaactcg tatcactcca gaaattgttc tgagagtgat cactccagaa atgggtttga 180
tactgattcc agctgtctgg aatcacatag ctcttatct gactcagaat ttccccaaa 240
taataaagggt gaaataaaaa cagaaggaca agagctcata accgtaataa aagccccac 300
ctcctttggt tatgataaac cacatgtgct agtggatcta cttgtggatg atagcggtaa 360
agagtccttg attggttata gaccaacaga agattccaaa gaattttcat gagatcagct 420
aagttgcacc aactttgaag tctgattttc ctggacagtt ttctgcttta atttcatgaa 480
aagattatga tctcagaaat tgtatcttag ttggtatcaa c 521
```

<210> 361  
 <211> 522  
 <212> DNA  
 <213> Homo sapiens

```
<400> 361
tgccctcga ggccaagaat tcggcactag gggagaggag cttgaatttc tgacacacat 60
aacatgtaaa aagtatattg catttcataa ggatttgagg tggggttaac gcaagggttag 120
tctgttttaa aaaatgtttt cattaacgag cacataactg gtggttcta atgggaatac 180
ttgaccagg cagaaactag aaaagtagca agtaggaaac ttccatttct ctcccctaaa 240
caaccctta aggcactgtg agctggagac aggagagggt ttgccaacc tttgttcata 300
tactcgggtga cgatgtagat gggctcctca gacaccactg catagagctg gaccagcttg 360
tcgtgcttca gcttcttcat gatctgcgct tcctcaagga atgattcggg ggacattgtg 420
cctggtttaa gagtctttat ggctactttt gtgtttccat tccaggtagg tacaacatc 480
ccagaatatg aagtcaaacc aaagatcttc ttttgatgga aa 522
```

<210> 362  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 12, 331, 372  
 <223> n = A,T,C or G

<400> 362  
 ttaatgagtt anaaatctta atatagccat cttagccata accacaaata aactcatttt 60  
 ttctgttaaa atacttgaca gagtccttgc aattgaatgt ctttgttcaa caaaaactgt 120  
 attaagtgtt ttaaatttaa aatctaactt tatgcaaata gctggtgggc aaaacctttt 180  
 tccatcaaaa gaagatcttt ggtttgactt catattctgg gatgtttgta ggtacctgga 240  
 atggaacac aaaagtagcc ataaagactc ttaaaccagg cacaatgtcc cccgaatcat 300  
 tccttgagga agcgagatc atgaagaagc ngaagcacga caagctgggc cagctctatg 360  
 gcagtgggtg cngaggagcc catctacatc gtcaccgagt atatgaacaa aggttgggca 420  
 a 421

<210> 363  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<400> 363  
 cagaaggggt ttccgaatgt tttagttagc cttttggtgg agccgccagc tgacaggaca 60  
 tcttacaaga gaatttgcac atctctggaa gcttagcaat cttattgcac actgttcgct 120  
 ggaagctttt tgaagagcac attctcctca gtgagctcat gaggttttca tttttattct 180  
 tccttccaac gtggtgctat ctctgaaacg agcgttagag tgccgcctta gacggaggca 240  
 ggagtttcgt tagaaagcgg acgctgttct aaaaaaggtc tcctgcagat ctgtctgggc 300  
 tgtgatgacg aatattatga aatgtgcctt ttctgaagag attgtgttag ctccaaagct 360  
 tttcctgtcg cagtgtttca gttctttatt ttcccttggt gatattgctgt gtgaaccgtc 420  
 gtgtgagtggt ggtatgcctg atcacagatg gattttgtta taagcatcaa tgtgacactt 480  
 gcaggacact acaacgtggg aca 503

<210> 364  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 364  
 ggccgccctt tttttttttt ttggggggga aaaaattttt ttttaaaaaa aaaaaaactt 60  
 cccccctggg gaaaaaaaaa ggttttttaa aaaaaaaaaa aaacaaaatt ttcccgggcc 120  
 ctttaggggt tttaaatttt cccccgggtt gaaccctttt taaaaaaaaa ggaatttttt 180  
 tggggggaaa taatggggga aaaacaaaaa aaaaaggggg gttttttttt taaaaccctt 240  
 ttttttttaa aaaaccttcc cccaggggaa aaattcccaa aaccttttaa aaaaaaggg 300  
 ccgaaatttt taatccaaag gggaaaaaac ccccccccaa caaaaaacc ccaaagggga 360  
 aaaaag 365

<210> 365  
 <211> 680  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 172, 173, 176, 186, 199, 200, 591, 625, 659, 670  
 <223> n = A,T,C or G

<400> 365

```

aggacacaga caaggaactt gctgaaaggg caaccatttc aggatcagtc aaaggcagca 60
agcagataga ctcaagggtg gtgaaagatg ttatacacca ggagctgcca cttcatgtcc 120
caaccagact gtgtctgtct gtgtctgcat gtaagagtga gggagggaag gnnngnacta 180
caaganagtc ggagatgann cagcacacac acaattcccc agcccacgtg atgcttgtgt 240
tgaccagatg ttctgagtc tggagcaagc acccaggcca gaataacaga gctttcttag 300
ttggtgaaga cttaaaccatc tgcctgaggt caggaggcaa tttgcctgcc ttgtacaaaa 360
gctcaggtga aagactgaga tgaatgtctt tcctctccct gcctcccacc agacttcttc 420
ctggaaaacg ctttggtaga tttggccagg agctttcttt tatgtaattg gataaatata 480
cacaccatac actatccaca gatatagcca agtagatttg ggtagaggat actatttcca 540
gaatagtgtt tagctcacct agggggatat gttgtatcac atttgcatat nccacatggg 600
gacataagct aattttttac agacncgatt ctgtcatgct gttaatagcc atggttaanc 660
ccccattggn ggggccggtg                                     680

```

&lt;210&gt; 366

&lt;211&gt; 570

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 366

```

taagctcggg attcggtcgc agcggctcga gtcaagagaa aacacaagaa ggacatcagc 60
cagaacaagc gagccgtgag gcggctgcgc accgcctgcg agagggccaa gaggaccctg 120
tcgtccagca cccaggccag cctggagatc gactccctgt ttgagggcac cgacttctac 180
acgtccatca ccagggcgag gttcgaggag ctgtgctccg acctgttccg aagcaccctg 240
gagcccgtgg agaaggctct gcgcgacgcc aagctggaca aggcccagat tcacgacctg 300
gtcctggtcg ggggctccac ccgcatcccc aagggtgcaga agctgctgca ggactttctt 360
aacgggcgcg acctgaacaa gagcatcaac cccgacgagg ctgtggccta cggggcggcg 420
gtgcaggcgg ccatcctgat gggggacaag tccgagaacg tgcaggacct gctgctgctg 480
gacgtggctc ccctgtcgtt ggggctggag acggccggag gcgtgatgac tgcctgatc 540
aagcgcaact ccaccatccc caccaagcag                                     570

```

&lt;210&gt; 367

&lt;211&gt; 454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 367

```

gccgcccttt tttttttttt tttttttttt tttttttttg tttttttttt tttttcaaaa 60
aaaaaaaaatc ttttttagaaa aaaaaaaccc cccccaacaa aaaatggggg ggggggggga 120
ttttccctcc cgggggaagg agaaaaagcc gcagtaataa aaaggggggg aacccaaaaa 180
tttttttttt tttttaaaaa aggttttttt gggggccccc cccccaacaa aaaaaaagg 240
tccccccctt ttttttcccc cttttttggg ggggaaaaaa aaaaaagggg ggggaaaaaa 300
acagaaaatt ttccccaaaa atttaaaaaa aaaagggggg ggggggggaa aaaaaagggt 360
tttttacccc cctggggggg aaaaaaaaaa aatttggggc caccaaaaag gggggggggc 420
cccccaaaaa aggggggttt ttttaaaaaa aaaa                                     454

```

&lt;210&gt; 368

&lt;211&gt; 651

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 368

```

taagctcggg attcggtcgc agtgggtctt gtctactccg ggtctttcag gaggccaaaa 60
ggcagctcca gaagattgac aaatctgagg gccgcttcca tgtccagaac cttagccagg 120
tggagcagga tggcgcgacg gggcatggac tccgcatgac ttccaagtcc tgcttgaagg 180
agcacaagac cctcaagacg ttaggcatca tcatgggcac tttcaccctc tgctggctgc 240
ccttcttcat cgttaacatt gtgcatgtga tccaggataa cctcatccgt aaggaggttt 300
acatcctcct aaattggata ggctatgtca attctggttt caatccccct atctactgcc 360
ggagcccaga tttcaggatt gccttccagg agcttctgtg cctgcgcagg tcttctttga 420
aggcctatgg gaatggctac tccagcaacg gcaacacagg ggagcagagt ggatatcacg 480
tggaacagga gaaagaaaat aaactgctgt gtgaagacct cccaggcacg gaagactttg 540
tgggccatca aggtactgtg cctagcgata acattgattc acaaggaggg aattgtagta 600
caaatgactc actgtgttaa agcagttttt ctacttttaa agaccccccc c                                     651

```

<210> 369  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 112  
 <223> n = A,T,C or G

<400> 369  
 tggctcttcgt ctactccagg gtcttttcagg aggccaaaag gcagctccag aagattgaca 60  
 aatctgaggg ccgcttccat gtccagaacc ttagccagggt ggagcaggat gngcggacgg 120  
 ggcatggact ccgcagatct tccaagttct gcttgaagga gcacaaagcc ctcaagacgt 180  
 taggcatcat catgggcact ttcaacctct gctggctgcc cttcttcac gttaacattg 240  
 tgcattgtgat ccaggataac ctcatccgta agaagtttac 280

<210> 370  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 370  
 ggccgccctt tttttttttt ttttttcccg ggcttttttg ggaaaaaccc ccctttccca 60  
 taataaaatt tttttggggg ttccccaatt tttttttcca atttcaaata atttttttcc 120  
 aaaaaaaacc caaaccttg ggcccttttt tttttttttt aaagggcctt tttacttttc 180  
 cccaaggagg ccttggggaa ataaaaaaaa cccggttggg gggcccaaaa aaaggggttg 240  
 gcccccttga atccccatt ggtttggggg taaaaaaggc ccccccatgg gcccccttcc 300  
 cccggggggg ggaaccccc cccaagacct ccccggggga aaccggggcc aaaaaaaaaa 360  
 ccctttaaaa ttttaaaaaa cgggccccc cctaaaaaaa ctttttttta aaaagggg 418

<210> 371  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 371  
 ttaggtgata agttgctgta aaatttgtgt aaatttgtat ccacacaaat tcagtctctg 60  
 aatacacagt attcagagtc tctgatacac agtaattgtg acaatagggc taaatgttta 120  
 aagaaatcaa aagaatctat tagatttttag aaaaacattt aaacttttta aaatacttat 180  
 taataaattt gtataagcca cttgtcttga aaactgtgca acttttttaa gttaaattatt 240  
 aagcagactg gaaaagtgat gtattttcat agtgacctgt gtttcaacta at 292

<210> 372  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<400> 372  
 tccttattta ttttaacttca cccgagttcc tctgggttcc taagcagtta tggatgatgac 60  
 ttagcgtaaa gacatttgc gaactcagca cattcgggac caatatatag tgggtacatc 120  
 aagtcacatc gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180  
 ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240  
 ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg tgtctgcctt 300  
 cacaatatgtc attgtctact cctagaagaa ccaaatacct caatttttgt ttttgagtac 360  
 tgtactatcc tgtaaatata tcttaagcag gtttgttttc agcactgatg gaaaaa 415

<210> 373  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 373

```

tccttattta tttaacttca cccgagttcc tctgggtttc taagcagtta tggatgatgac 60
ttagcgtaaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
aagttcatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg ggtctgcctt 300
cacaaatgtc attgtctact cctaca 326

```

&lt;210&gt; 374

&lt;211&gt; 324

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 374

```

tccttattta tttaacttca cccgagttcc tctgggtttc taagcagtta tggatgatgac 60
ttagcgtaaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
aagttcatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
ttgctcgccc ctgttttttg tagaatcttt tcatgcttga catacctacc agtattattc 240
ccgacgacac atatacatat gagaatatac cttattttatt tttgagtagg tgtctgcctt 300
cacaaatggc attggctact ccag 324

```

&lt;210&gt; 375

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 375

```

taactctggg aggggctcga gagggctggt ccttatttat ttaacttcac ccgagttcct 60
ctgggtttct aagcagttat ggtgatgact tagcgtaaa acatttgctg aactcagcac 120
attcgggacc aatatatagt ggttacatca agtccatctg acaaaaatgg gcagaagaga 180
aaggactcag tgtgtgatcc gggttctttt tgctcgcccc tgttttttgt agaattcttt 240
catgcttgac ataccatcca gtattattcc cgacgacaca tatacatatg agaataatcc 300
ttattttatt ttgtgtaggt gtctgccttc acaaatgtca ttgtctactc ctagaagaac 360
caaatacctc aatttttggt tttgagtact gtactatcct gtaaatatat ctaagcagg 420
tttgttttca gcactgatgg aaaataccag tggtgggttt tttttt 466

```

&lt;210&gt; 376

&lt;211&gt; 324

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 376

```

tccttattta tttaacttca cccgagttcc tctgggtttc taagcagtta tggatgatgac 60
ttagcgtaaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
aagttcatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
ttgctcgccc ctgttttttg tagaatcttt tcatgcttga catacctacc agtattattc 240
ccgacgacac atatacatat gagaatatac cttattttatt tttgagtagg tgtctgcctt 300
cacaaatggc attggctact ccag 324

```

&lt;210&gt; 377

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 377

```

tccttattta tttaacttca cccgagttcc tctgggtttc taagcagtta tggatgatgac 60
ttagcgtaaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
aagttcatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg ggtctgcctt 300
cacaaatgtc attgtctact cctaca 326

```



<210> 378  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 378  
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 cggagcagcc tcaagagccg agccgaggtg gatcttgaac gcaccttcac gtttcgaaat 120  
 tcaaagcaga cctactcagg gattcccatc atcgtggcca acatggacac tgtggggcacg 180  
 tttgagatgg cagccgtgat gtcacagcac tccatgttta cagcaattca taagcattac 240  
 tccctggatg actggaagct ctttggcaca aatcacccag aatgcctgca gaatgtagcc 300  
 gtgagttcag gcagtgggca gaatgatctg gaaaagatga ccagcatcct ggaagctgtg 360  
 ccacaggtta agtttatttg cctggatgtg gccaatgggt attcaaaaca ttttgtggaa 420  
 ttcgtgaaac ttgtccgtgc caaatttcct gaacacacca ttatggcagg gaacgtgggtg 480  
 acaggagaaa tgggt 494

<210> 379  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 379  
 gccgctgcac catgccccgc atagatgcgg acctcaagct cgacttcaag gatgtcctgc 60  
 tccgacctaa gcggacagcc tcaagagccg agccgaggtg gatcttgaac gcaccttcac 120  
 gtttcgaaat tcaaagcaga cctactcagg gattcccatc atcgtggcca acatggacac 180  
 tgtggggcacg tttgagatgg cagccgtgat gtcacagcac tccatgttta cagcaattca 240  
 taa 243

<210> 380  
 <211> 804  
 <212> DNA  
 <213> Homo sapiens

<400> 380  
 gcaaattgtt gattaattct gtcacatgac acatctgaaa gcatgagaca cactccacag 60  
 acagcacgca ctggagctgg tggggcagat gggcactcgc cgattaggta ttaatgtcaa 120  
 taatacgtgc ataaagtgtc gataaaataa ctttaagtgtt acaaaaacag acagtccacg 180  
 gtggctgcag gcacatgcag gcgggactgg gtcagacact ccagggtgctc acatgttcca 240  
 gctggcctga gtccgacacg tcatagctgg ccttgtaactt ggccaggatt ttcagtaggg 300  
 gccgtagctt gagccaccac tgttcttttg gaatcctgtg ctcaaaatcc gtttgcttct 360  
 tcagctctgc cacaggtttg aaaaataacg tttcttttgc ttattcccag cacacaaatg 420  
 gaatcatcgg tggtaaatat ttttcctctg ccccgggcct ccttgagttt tgcagtgtac 480  
 cactccatag ctctggcaga gatttttggt ccaaagtctc tatcaaatgg agagggtgcc 540  
 ccaccctgct gcatgtgacc cagcacgttc ttcctgcagt caaacacgcc tttgccctct 600  
 tctgaataca gctggtaaat gaagtcggtg gtgtagtgtt cactgcagct ctcatctctg 660  
 agcacaaggc ctctctggat ggtgggtctc attttctccg tcagggtgctc cacgttggac 720  
 tgcagatcct gatgtcgaag ggctcttcga aatgtatgcg gcatcagtcg ggccgcagcc 780  
 ccccatgttg gcaggtagca cagt 804

<210> 381  
 <211> 624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 514  
 <223> n = A,T,C or G

<400> 381  
 tggagtgtga ggcaaatgtt taattaattc tgctcatatg cacatctgaa agcatgagac 60

```

acactccaca gacagcacgc actggggctg gtggggcaga tgggcactcg ccgattaggt 120
attaatgtca ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggcgggactg ggtcagacac tccagggctg 240
cacatgttcc agctggcctg agtccgacac gtcatactgt gccttgactc tggccaggat 300
tttcatgagg ggccgtagct tgagccacca ctgttctttg ggaatcctgt gctcaaaatc 360
cgtttgcttc ttcagctctg ccacagggtg aaaaataacg tttcttttgc ttattcccag 420
cacacaaatg gaatcatcgg tggtaaattt ttttctctcg ccccgggcct ccttgagttt 480
tgcagtgatc cactccatag ctctggcaga gatnttggtt ccaaagtttc tatcaaatgg 540
agaggtgccc caccctgctg atgtgacccc acacgttctt cctgagtcaa acacgccttt 600
gccctcttct gaatacaagc tgggt                                     624

```

&lt;210&gt; 382

&lt;211&gt; 507

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 301, 460, 498

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 382

```

ttttttggag ttgtaggaaa tgtttaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca agacagcacg cactggggct ggtggggcag atgggcactc gcgattaggt 120
attaatgtta ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggcgggactg ggtcagacac tccagggctg 240
cacatgttcc agctggcctg agtccgacac gtcatactgt gccttgactc tggccaggat 300
nttttcatga ggggccctag ctttgagcca ccacttgctt tttggggaat cctgtgcttc 360
aaaatcccgt tttgcttctt tcagctcttc ccacagggtt gaaaaataac gttttctttt 420
tgcttatttc ccagcacaca aatgggattc atcgggtggg aatttttttc ctctgccccg 480
gggcttcttg agtttttnca gtgattc                                     507

```

&lt;210&gt; 383

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 198, 219

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 383

```

atcagatccc aaagaccaat tgcaacgtag ctgtcatcaa cgtgggggca cccgaggctg 60
ggatgaacgc ggccgtacgc tcagctgtgc gcgtgggcat tgccgacggc acaggatgct 120
cgccatctat gatggtttga cggtctcgca agggccagat caaagaaatc ggctggacag 180
atgtcggggg ctggaccngc caaggaggct ccattcttng gaca                                     224

```

&lt;210&gt; 384

&lt;211&gt; 507

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 301, 460, 498

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 384

```

ttttttggag ttgtaggaaa tgtttaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca agacagcacg cactggggct ggtggggcag atgggcactc gcgattaggt 120
attaatgtta ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180

```

```

gacagtccac ggtggctgca ggcacatgca ggcgggactg ggtcagacac tccagggctg 240
cacatgttcc agctggcctg agtcccgcaca cgtcatagct ggccttgtag ttggccaggg 300
nttttcatga ggggccctag ctttgagcca ccacttggtc tttggggaat cctgtgcttc 360
aaaatcccgt tttgcttctt tcagctcttc ccacagggtt gaaaaataac gttttctttt 420
tgcttatttc ccagcacaca aatgggattc atcggtggnn aatttttttc ctctgccccg 480
gggcttcttg agtttttnca gtgattc 507

```

&lt;210&gt; 385

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 198, 219

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 385

```

atcagatccc aaagaccaat tgcaacgtag ctgtcatcaa cgtgggggca cccgcggctg 60
ggatgaacgc ggccgtacgc tcagctgtgc gcgtgggcat tgccgacggc acaggatgct 120
cgccatctat gatggtttga cggcttcgca agggccagat caaagaaatc ggctggacag 180
atgtcggggg ctggaccngc caaggaggct ccattcttng gaca 224

```

&lt;210&gt; 386

&lt;211&gt; 232

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 386

```

acgacagaag ggtacggctg cgagaagacg acagatgggt acggctgtga gaagacgact 60
gatgggaaca gctaaggact gctaaacccc actctgcac aactgaacgc aaatcagcca 120
ctttaattaa gctaagccct tactagacca atgggactta aaccacaaa cacttagtta 180
acagctaagc accctaatac actggcttca atgtacttct cccgccgtcg gg 232

```

&lt;210&gt; 387

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 387

```

tactggtttt ggagaacttg tctacaacca gggattgatt ttaaagatgt ctttttttat 60
tttacttttt ttttaagcacc aaattttggt gttttttttt ttttctccct tccccacaaa 120
tcccttttaa aatatttttg ttaaccccct ttccaacggg ccgaggaaac ttaaaacccc 180
tttttctctg gcctggttcc tctttaattt ttaatttttc cccatcagtt taaagggttt 240
ggcatacttg gcatcttttt tcaaaggga aacttttttt gccattcttt ggacttcccc 300
ttttttaaag gaaatggggg ggccaaaagg ggatttcaa 339

```

&lt;210&gt; 388

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 388

```

tttttttttt tttttttttt ttttaaccatc aaattcacag ctatttttctg ctttttagtgt 60
gctcacagaa aattagaaca ccttaagcag gagtttaata gcattttttg taagcaaagt 120
tacattccat ctctaagtca aattggtcaa agcttctcca gtattttaca aacatgatag 180
acaagatgct acacaaaacc attgcatctg aagattttgt tttcctttat tctcaaagac 240
gactggaaaa gaaagcatta tctgctgtaa tcaaaaacat accacagtat aaacagttac 300
cattccactt atcacagctt ggttgagttt agaattagtg ttttaaaaag tccaagatga 360
ctgcagtttt acaaaaatgg gcagggtgga aagttgcaaa cttcatgtgc ttctggatat 420
caagatttgt ttttatacaa tagtcacagt taataaa 456

```

<210> 389  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<400> 389  
 ttacattgaa tactacatat gtcgagggaa tgcagaaaaga gttaaggaag gcaggttgtc 60  
 ctgctatgga ggccactcct cgttttccat gtactgcatg ctgtttgtgg cactttatct 120  
 tcaagccagg atgaaggagg actgggcaag actcttacct cccacactgc aatttgggtct 180  
 tgttgccgta tccatttatg tgggcctttc tcgagttgct gattataaac accactggag 240  
 cgatgtgttg actggactca ttcagggagc tctggttgca atattagttg ctgtatatgt 300  
 atcggatttc ttcaagaaa gaacttcctt taaagaaaaga aaagaggagg actctcatac 360  
 aactctgcat gaaacaccaa caactgggaa tcactatccg agcaatcacc agccttgaaa 420  
 ggcagcaggg tgcccagggt aagctggcct gttttctaaa ggaaaatgat tgccacaagg 480  
 caagaggatg 490

<210> 390  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<400> 390  
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 gtcgaaactg aagaagacag agacgcaaga gaaaaatcca ctgccttcca aagaaacgat 180  
 tgaacaggag aagcaagcag gcgaatcgta atgaggcgtg cgccgccaat atgcactgta 240  
 cattccacaa gcattgcctt cttattttac ttcttttagc tgtttaactt tgtaagatgc 300  
 aaagagggtg gatcaagatt aaatgactgt gctg 334

<210> 391  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 349  
 <223> n = A,T,C or G

<400> 391  
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 gtcgaaactg aagaagacag agacgcaaga gaaaaatcca ctgccttcca aagaaacgat 180  
 tgaacaggag aagcaagcag gcgaatcgta atgaggcgtg cgccgccaat atgcactgta 240  
 cattccacaa gcattgcctt cttattttac ttcttttagc tgtttaactt tgtaagacgc 300  
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 caacgaaggc cgcgcct 377

<210> 392  
 <211> 555  
 <212> DNA  
 <213> Homo sapiens

<400> 392  
 ctcggtgggtg gccactgcgc agaccagact tcgctcgtae tcgtgcgcct cgctttgctt 60  
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 gaaactgaag aagacagaga cgcaagagaa aaatccactg ccttccaaaag aaacgattga 180  
 acaggagaag caagcaggcg aatcgtaatg aggcgtgcgc cgccaatatg cactgtacat 240  
 tccacaagca ttgccttctt attttacttc ttttagctgt ttaactttgt aagatgcaaa 300  
 gaggttggtg caagtttaaa tgactgtgct gccctttca catcaaagaa ctactgacaa 360  
 cgaaggccgc gcctgccttt cccatctgtc tatctatctg gctggcaggg aaggaaagaa 420  
 cttgcatggt ggtgaaggaa gaagtggggt ggaagaagtg ggggtgggacg acagtgaat 480

ctagagtaaa accaagctgg cccaaggtgt cctgcaggct gtaatgcagt ttaatcagag 540  
tgccattttt ttttt 555

<210> 393

<211> 300

<212> DNA

<213> Homo sapiens

<400> 393

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gaggaacttt caccaacaga tgaaaatgga aaagtaatat ttgacatagt ggatctctgt 120  
accacctggg aggccatgga gaagtgtgag gatgcatgat tggccaagtc cattgggggtg 180  
tcaaacttca accgcaggca gctggagatg atcctcaaca agccaggact caagtacaag 240  
cctggctgca accaggtaga aagtcattcg tatttcaacc ggagtaaatt gctagaatcg 300

<210> 394

<211> 344

<212> DNA

<213> Homo sapiens

<400> 394

acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 60  
gggtacggct gcgagaagac gacagaaggg taaaacactg aactgacaat taacagccca 120  
atatctacaa tcaaccgaca agtcattatt accctcactg tcaacccaac acaggcatgc 180  
tcataaggaa aggttaaaaa aagtaaaagg aactcggcaa atcttaccac gcctgtttac 240  
caaaaacatc acctgtagca tcaccagtat tagaggcacc gcctgccagc tgacacatgt 300  
ttaacggccg cggtagcccta accgtgcaaa ggtagcataa tcac 344

<210> 395

<211> 507

<212> DNA

<213> Homo sapiens

<400> 395

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gactagcacc gcgtccggca gcgccagccc tactctcgcc cgcgccatgg cctctgtctc 120  
cgagctcgcc tgcatctact cggccctcat tctgcacgac gatgaggtga cagtcacgga 180  
ggataagatc aatgccctca ttaaagcagc cggtgtaaat gttgagcctt tttggcctgg 240  
cttgtttgca aaggccctgg ccaacgtcaa cattgggagc ctcactctgca atgtaggggc 300  
cggtggacct gctccagcag ctggtgctgc accagcagga ggtcctgccc cctccactgc 360  
tgctgctcca gttgaggaga agaaagtggg agcaaagaaa gaagaatccg aggagtctga 420  
tgatgacatg ggctttggtc tttttgacta aacctctttt ataacatgtt caataaaaaa 480  
ctgaacttta aaaaaaaaaa aaaaaaa 507

<210> 396

<211> 488

<212> DNA

<213> Homo sapiens

<400> 396

gaggccctca cttcatccgg cgactagcac gcggtccggc agcgccagcc ctacactcgc 60  
ccgcgccatg gcctctgtct ccgagctcgc ctgcatctac tcggccctca ttctgcacga 120  
cgatgaggtg acagtcacgg aggataagat caatgccctc attaaagcag ccggtgttaa 180  
tggtgagcct ttttggcctg gcttgtttgc aaaggccctg gccaacgtca acattgggag 240  
cctcatctgc aatgtagggg ccggaggacc tgctccagca gctgggtgctg caccagcagg 300  
aggctcctgc ccctgcactg ctgctgctcc agttgaggag aagaaagtgg aagcatagaa 360  
agaagaatcc gacgagtctg atgatgacat gggctatggt ctttttgact aaacctcttt 420  
tataacatgt tcaataaaaa gctgaacttt aaaaagaaaa aaaaaaaact cgagcctcta 480  
gaactata 488

<210> 397

<211> 180  
 <212> DNA  
 <213> Homo sapiens

<400> 397  
 ctgcgttggg gtgaggccct cacttcatcc ggcgactagc accgcgtccg gcagcgccag 60  
 ccctacactc gccgcgcga tggcctctgt ctccgagctc gcctgcatct actcggccct 120  
 cattctgcac gacgatgagg tgacagtcac ggaggataag atcaatgccc tcattaaagc 180

<210> 398  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 12, 154, 255, 348, 368, 402, 409, 450, 471  
 <223> n = A,T,C or G

<400> 398  
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 atagttgggt gcattgtttg tatgtagatc tttttacatt atatggtaat gtacactact 120  
 gatatagttc acaaaataag atcctttgga aganttatac acaagacatg atattggatt 180  
 tatacactgg atcccaggga tgtgactcac tgggaaaaaa tgttggacta ggcattgtca 240  
 gtgaaggagc caggnagtta tataacacac ggtaaacatc cacctggctc aaggggcaaa 300  
 tgcagtacgt acagcattgg cagtgggtgcg tcagagggtg cagaactntt tcacactaac 360  
 cagttganga ctacacaaga ttaataccat ccagcatcag gntatagcnt gtggatttta 420  
 caaaccattt cttatttcta actttcaggn gttgatgttt ttcccagtc ntcttaaaat 480  
 ttttactgct t 491

<210> 399  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 399  
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 ttcaatcttc gacagctggg ctggaacgtg aactcagtag ctgaacctgt ctgacccggt 120  
 cacgttcttg gatcctcaga actctttgct cttgtcgggg tgggggtggg aactcacgtg 180  
 gggagcgggtg gctgagaaaa tgtaaggatt ctggaataca tattccatgg gactt 235

<210> 400  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 400  
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 atcccagctt ggttccagga attttgtgtg attggcttaa atccagtttt caatcttcga 180  
 cagctgggct ggaacgtgaa ctcagtagct gaacctgtct gacctgggtc cgttcttgga 240  
 tcctcagaac tctttgctct tgcgggggtg ggggtgggaa ctcacgtggg gagcgggtggc 300  
 tgagaaaatg taaggattct ggaatacata ttccatggga ctttccttcc ctctcctgct 360  
 tcctcttttc ctgctcccta acctttcgcc gaatggggca gcaccactga cgtttctggg 420  
 cggccagtgc ggctgccagg ttctgttact actgccttgt acttt 465

<210> 401  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 401

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tgattttctgt ggatcccagc ttggttccag gaattttgtg tgattggctt aaatccagtt 60
ttcaatcttc gacagctggg ctggaacgtg aactcagtag ctgaacctgt ctgacccggt 120
cacgttcttg gatcctcaca actctttgct cttgtcgggg tgggggtggg aactcacgtg 180
gggagcggtg gctgagaaaa tgtaaggatt ctggaatata tattccatgg gactttcctt 240
ccc 243

```

&lt;210&gt; 402

&lt;211&gt; 506

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 402

```

ttctagcatc ctcttaacgt gcagcaaaaag caggcgacaa aatctcctgg ctttacagac 60
aaaaatattt cagcaaacgt tgggcatcat gggttttgaa ggcttttagt ctgctttctg 120
cctctcctcc acagcccaa cctcccaccc ctgatacatg agccagtgat tattcttggt 180
cagggagaag atcatttaga ttgtttttgc attccttaga atggagggca acattccaca 240
gctgccctgg ctgtgatgag tgtccttgca ggggcccggg taggagcact ggggtggggg 300
cggaattggg gttactcgat gtaagggtt ccttggtgtt gtgttgagat ccagtgcagt 360
tgtgatttct gtggatccca gcttggttcc aggaattttg tgtgattggc ttaaataccag 420
ttttcaatct tcgacagctg ggctggaacg tgaactcagt agctgaacct gtctgacccg 480
gtcacgttct tggatcctca gaactc 506

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&lt;210&gt; 403

&lt;211&gt; 390

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 403

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gtagtcgcct ctctttcagc agttaccag gggttttgga gtctctggat gattttttaca 60
ttcttagcag tggattgata ttgctgcaga ccacaaacag tgtgtttaat aaaaccctgc 120
taaagcaggt aatacccag actctcctgt cctggcaaaag agtccgtgtg gccaatatga 180
tggcagatag tggcaagagg tggcagaca tcttttcaaa atacaactct ggcacctata 240
acaatcaata catggttctg gacctgaaga aagtaaagct gaaccacagt cttgacaaaag 300
gcactctgta cattgtggag caaatccta catatgtaga atattctgaa caaactgatg 360
ttctacggaa aggatattgg ccctcctaca 390

```

&lt;210&gt; 404

&lt;211&gt; 372

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 404

```

aggagattca gaagcacaac cacagcaaga gcacctggct gatcctgcac cacaagggtgt 60
acgatttgac caaatttctg gaagagcatc ctgggtggga agaagtttta agggaacaag 120
ctggagggtga cgctactgag aactttgagg atgtcgggca ctctacaaat gccagggaaa 180
tgtccaaaac attcatcatt ggggagctcc atccagatga cagaccaaaag ttaaacaagc 240
ctccggaaac tcttatcact actattgatt ctagttccag ttggtggacc aactgggtga 300
tccctgccat ctctgcagtg gccgtgcct tgatgtatcg cctatacatg gcagaggact 360
gaacacctcc tc 372

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&lt;210&gt; 405

&lt;211&gt; 619

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 405

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tcccgggtgg agctggctga gtcgcgcgct ctgctccacc cgacggggct gtgtgtgctg 60
ggcctggctc gcggcgaacc gagatggcag agcagtcgga cgaggccgtg aagtactaca 120
ccctagagga gattcagaag cacaaccaca gcaagagcac ctggctgatc ctgcaccaca 180
aggtgtacga tttgaccaa tttctggaag agcatcctgg tggggaagaa gttttaaggg 240
aacaagctgg aggtgacgct actgagaact ttgaggatgt cgggcactct acaaatgcca 300

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gggaaatgtc caaaacattc atcattgggg agctccatcc agatgacaga ccaaagttaa 360
acaagcctcc ggaaactctt atcactacta ttgattctag ttccagttgg tggaccaact 420
gggtgatccc tgccatctct gcagtggccg tcgccttgat gtatcgcta tacatggcag 480
aggactgaac acctcctcag aagtcagcgc aggaagagcc tgctttggac acgggagaaa 540
agaagccatt gctaactact tcaactgaca gaaaccttca cttgaaaaca atgattttaa 600
tatatctctt tctttttct 619

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&lt;210&gt; 406

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 406

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taagctcggg attcggctcg agggctccag ctgagctcct gcttctactg aggacatacc 60
tcccagatga ggtggggccc ccaaccccat tccttgagcc tggagcagag cccctctca 120
ctgtgggctt gctcaaagcc ctgctggagc agactggggc tcaaggatgg ctgtcgggcc 180
cagttctaag cccatatgag gacatcctat gggaccccag cactccacc cggactccac 240
ctcgggacct atgactaccc ttcaggcatc agaacactca gggcctggag gcttgcttgg 300
gactggaggg ttgcttggac agttcctctg tgtcactgac acaggaaatc atttctagga 360
cacagtgatc agggaaaggg gcctgggact tggaggggcc catgtatgga cctgtgtatg 420
caatactgtt ctgtcatctg gagctatttt taagatgtgt gtgttaaata tatacatagt 480
ttaatatata aaaaaaaaaa 499

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&lt;210&gt; 407

&lt;211&gt; 229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 407

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ggctccagct gagctcctgc ttctactgag gacatacctc ccagatgagg tggggccccc 60
aaccctatcc cctgagcctg gagcagagcc cctctcact gtgggcttgc tcaaagccct 120
gctggagcag actggggctc aaggatggct gtcgggcccc gttctaagcc catatgagga 180
catcctatgg gaccccagca ctccaccccc gactccacct cgggaccta 229

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&lt;210&gt; 408

&lt;211&gt; 467

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 408

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ggaagtcttg cgctggctcg cggagtatca agtggccatg gggagcctca gcggtctgcg 60
cctggcagca ggaagctgtt ttaggttatg tgaaagagat gttggcctca tctctaaggc 120
ttaccagaag ctctgatttg aagagaataa atggattttg cacaaaacca caggaaagtc 180
ccggagctcc atcccgactt tacaacagag tgccctttaca caaacctacg gattggcaga 240
aaaagatcct catatggtca ggtcgcttca aaaaggaaga tgaaatccca gagactgtct 300
cgttggagat gcttgatgct gcaaagaaca agatgcgagt gaagatcagc tatctaata 360
ttgccctgac ggtggtagga tgcatttca tggttattga gggcaagaag gctgccc aaa 420
gacacgagac ttaacaagc ttgaacttat aaaagaaagc tcgtctg 467

```

&lt;210&gt; 409

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 409

```

ggaagtcttg cgctggctcg cggagttagc agtggccatg gggagcctca gcggtctgcg 60
cctggcagca ggaagctgtt ttaggttatg tgaaagagat gtttcctcat ctctaaggct 120
taccagaagc tctgatttga agagaataaa tggattttgc acaaaaacca aggaaagtc 180
cggagctcca tcccgactt acaacagagt gcctttacac aaacctacgg attggcagaa 240
aaagatcctc atatggtcag gtcgcttcaa aaaggaagat gaaatcccag agactgtctc 300
gttgagatg cttgatgctg cagagatcaa gatgcgag 338

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<210> 410  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens

<400> 410  
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 aagggggggg cagtccccac catatttgag tctttctcca agttgcgccg gacaaccaag 180  
 accaaaggac acagttaccc acctggcccc tctgaagtca gccggctcag acgatgcagg 240  
 aagcgctgct ccgaggggcg agggcccaca actccatttt ctccacctcc acctgctgat 300  
 gtcacctgct ttctgtgga agaggcctca gcacctgcca ctttgccggc ctccccagct 360  
 gggaggctgg agcctggcct tagcagcccc ttttcagacc tactggggcc cttgggtgcc 420  
 caggcagatg aagcaggctg cagcgcccag ccttcaccag agcggcagcc ctcccctctc 480  
 gaaccacggc cagtctcccc ctacagcgat atgctgcgcc tgccccacc cgccggagcc 540  
 tacatccaga atgaacacag ctaccagggt ggcagcgcc tactctggaa gcggcgagcc 600  
 g 601

<210> 411  
 <211> 52  
 <212> DNA  
 <213> Homo sapiens

<400> 411  
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<210> 412  
 <211> 525  
 <212> DNA  
 <213> Homo sapiens

<400> 412  
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 acttcgatgt gaggcctcag tctggggcaa atgggcttcc caaacactcc tactgggttg 180  
 acctctggct tttcatcctt ttcgatgtgg tgggttttct ctttgtgtat tttttgcat 240  
 gacttggtcg ctgatatcta aattaagaag ttggttcttg agtgaattct gaaaatggct 300  
 acaaacttct tgaataaaga agacaggact ctcaatagaa gaatttcaca tctccaaggg 360  
 acccttcctt tcattttaca ctttgttact aatttgcaga actctattaa ttgggtagga 420  
 tttcacccat tcctagctaa gttcttaaaa ttaaacctt tggttcgtgt ttaaaaactt 480  
 tcaaacatct gatggcttta caggggctga atataaaagc atttg 525

<210> 413  
 <211> 604  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 12, 14, 18, 20, 24, 27, 29, 31, 33, 35, 54, 594, 595  
 <223> n = A,T,C or G

<400> 413  
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 ttcgtttcgg tttctagggt tgttacgaag ctgcaggagc gagatggagg tggagcgacc 120  
 ggggtgtgat ggtcgagatg gtctccggga gcggcgaggc tttagcgagg gagggaggca 180  
 gaacttcgat gtgaggcctc agtctggggc aaatgggctt cccaaacact cctactggtt 240  
 ggacctctgg cttttcatcc ttttcgatgt ggtgggtgtt ctctttgtgt attttttgcc 300  
 atgacttggt cgctgatatc taaattaaga agttggttct tgagtgaatt ctgaaaatgg 360  
 ctacaaactt cttgaataaa gaagacagga ctctcaatag aagaatttca catctccaag 420  
 ggaccttcc tttcatttta cactttgtta ctaatttga gaactctatt aattgggttag 480  
 gatttcaccc attcctagct aagttcttaa aattaaacc tttggttcgt gtttaaaaac 540

tttcaaacat ctgatggctt tacaggggct gaatataaaa gcatttgtac ttannaaaaa 600  
aaaa 604

<210> 414  
<211> 285  
<212> DNA  
<213> Homo sapiens

<400> 414  
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gctttacatg aggaatggta gaagtggctt tttgtttaaa ttagttgcat tcagcatata 120  
tgaattgtct taaatatttt ggggatactc cccgccttt taaacagggc ataagatctg 180  
gtaaactctc tgtatatctt cctacctttc aaaatcgctt ttaggggttag tcaagtcttg 240  
aatataattg ctgactataa agttagcaat tatgctttaa ggtga 285

<210> 415  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 415  
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aaagtcagca tcatttccag atagaaaagg ctctagtgtga gaaacttcag caggattttg 120  
tagctgactg gtgctctgag ggagagtgc tagcagctat taactccacc tataatactt 180  
cagggtatat tttggatcca cacactgctg ttgcaaaagt ggttgacagat aggggtgcaag 240  
a 241

<210> 416  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 416  
cggcttcttg aagaggggggt gttgcggcag atccctgtag tgggcttcgt gctgaattgg 60  
ttttctccgg tccaggcttc acagtaggga agaactttta acttgacagc aggcctctctg 120  
gagtccacag aacccatata tgtctacaaa gcacaagggt caggagtcac gctgcctcca 180  
acgccctcgg gcagtcgcac caagcagagg cttccaggcc agaagccttt taaaagggtcc 240  
ctgcgagggt cagatgcttt gagtgagacc agctcagtc gtcattattga agacttagaa 300  
aaggtggagc gccta 315

<210> 417  
<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 417  
tggatccccc gggctgcagg aattcgaatt ctgtgtgtgt gtgtgtgtat gaatgggata 60  
tttattacat tatttagaaa gagaatgagt gtgttatgag gataatgtta tatacagtct 120  
aagtggatgt ttctgttttg cacagaatgt aggatttctg aaac 164

<210> 418  
<211> 206  
<212> DNA  
<213> Homo sapiens

<400> 418  
tatatttatt acattatttt gaaagagaat tagtgtgtta tgtggataat gttatatata 60  
gccaaagtgg atgtttctgt ttggcaagga aggtaggatt tctgaaactc aggccttaac 120  
caatagggtg gaagacaaga ccaattgaag agttaggaaa tgtgagtttt tgttacttct 180  
gttattccag tcttggtttc attgtc 206

<210> 419

<211> 238  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 159, 227  
 <223> n = A,T,C or G

<400> 419  
 agcagtgtac ataatatcc agtaggaaac tgcttccaag ttttaagcatg agctccccc 60  
 actggagaaa acatatcttg ctattctgag acaacaatca gaatacagac ttgggattcc 120  
 aggtcacagt ttgcttttta gacaaggtaa agcaaagana gccacattgt gccatcttca 180  
 gctccagtgg ctttagcagt gactgtttga cataaaacat gtaaganttg cttgttgg 238

<210> 420  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 420  
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 gagtcgacag cgagaggttc gccgaagagc gaggttctgg gcgagcgtg aacgccggcc 120  
 ccaagcaccc cgggtcttta cacagtccgc gtccacagac tctgacgaag acgtggatct 180  
 gctctcgctt tagctgctcg cggtcctcca gatcatgtcc gcgactcctg cgactccgcg 240  
 cggaaaaaaa agtttgccag gcgtggactc aatgaccttt ccaagctgtg cgctcgtcg 300  
 cctggaccgg gtctgagcgc ggctgccag gttgaccttt ctgcgggagg gctttctcta 360  
 cgtgctgttg tctactggg tttttgtcgg agccccacgc cctccggcct ctgattcctg 420  
 gaagaaaggg ttgttcccct cagcaccccc agcatcccg aaaatgggga gcaaggctct 480  
 gccagcgccc atcccgtcc accc 504

<210> 421  
 <211> 814  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 38, 93, 94, 95, 422, 440, 467, 474, 508, 519, 529, 535, 554,  
 557, 561, 565, 584, 594, 604, 619, 641, 655, 674, 679, 690,  
 695, 702, 704, 706, 712, 716, 724, 734, 737, 740, 743, 780,  
 781, 808, 813  
 <223> n = A,T,C or G

<400> 421  
 cggggacgga gctcggcgtg cttgctgctg gagggttntg gccctgcaag gctgtgggct 60  
 ccgacctcac cgggagtcga cagcgagagg tttnncgaag agcgaggttc tggcgagcg 120  
 ctgaacgcgc gccccaagca ccccggtct ttacacagtc cgcgtccaca gactctgacg 180  
 aagacgtgga tctgctctcg ctttagctgc tcgcggtcct ccagatcatg tccgcgactc 240  
 ctgcgactcc gcgcggaaaa aaaagtgtgc caggcgtgga ctcaatgacc tttccaagct 300  
 gtgcgcctcg ctgcctggac cgggtctgag cgcggctgcc cagggtgacc ttttctgcgg 360  
 aagggcttct tctacgtgct gttgctcatg ggtttttgtc ggagccccc cgccttccg 420  
 gncctttgat tcctggaaan aaaaggggtt ggttcccctt caagcanccc caancattcc 480  
 ccgggaaaaa atgggggagc caaagggnnt ttggccaang gccccaatnc ccggnntcaa 540  
 cccgttgggt tggnaanttt naccnaaatt aacttccttt cctncaaggc ccngggaaaa 600  
 aacnttttcc cgggccacng ggggggaacc aaccttgcaa nggggccttg taccnggtct 660  
 tcaaacggcg ggtnccaana acccttgcen ccatngaaac cnantnggaa cncctngggg 720  
 gtntttccc aatngngcn cnaaaaaac aaccccggtt ccaaccattt aagggaaaa 780  
 nggcgggggg gccccaaggg ccttttngg acnt 814

<210> 422  
 <211> 375

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 422

```

ctgacgaaga cgtggatctg ctctcgcttt agctgctcgc ggtcctccag atcatgtccg 60
cgactcctgc gactccgcgc ggaaaaaaaa gtttgccagg cgtggactca atgacctttc 120
caagctgtgc gcctcgctgc ctggaccggg tctgagcgcg gctgcccagg ttgacctttc 180
tgcgggaggg ctttctctac gtgctgttgt ctactgggt ttttgtcgga gccccacgcc 240
ctcgggcctc tgattcctgg aagaaagggt tggccccctc agcaccccca gcatcccgga 300
aaatggggag caaggctctg cagcgcccat cccgctccac cgtcgctgca gctcccaatt 360
actcttctgc aggcg                                     375

```

&lt;210&gt; 423

&lt;211&gt; 405

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 423

```

ggggacggag ctccgctgctg ttgctgctgg aggggtgatgg ccctgcaagg ctgtgggctc 60
cgacctcacc gggagtcgac agcgagaggt tcgccgaaga gcgaggttct gggcgagcgc 120
tgaacgccgg ccccaagcac cccgggtctt tacacagtcc gcgtccacag actctgacga 180
agacgtggat ctgctctcgc tttagctgct cgcggtcctc cagatcatgt ccgcgactcc 240
tgcgactccg cgcggaaaaa aaagtttgcc aggcgtggac tcaatgacct ttccaagctg 300
tgcgcctcgc tgcctggacc ggtctgagc gcggctgccc aggttgacct ttctgcggga 360
gggctttctc tacgtgctgt tgtctcactg ggtttttgtc ggacc                                     405

```

&lt;210&gt; 424

&lt;211&gt; 139

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 424

```

ctcgtgttca gctgtcagaa taacagccaa taaaaactac aggagcaaaa cctctcagga 60
aggtgcttta aaaaagatgc atgaggaaga acaccatcaa caaatgtcca tcttacaact 120
gcaactgata caaatgaat                                     139

```

&lt;210&gt; 425

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 425

```

ttctggctgg gaagcgcgat tgtggcttta aaccaccatc atggtctagc aaagaggcaa 60
agaccaagac caccaagaag cgcctcagc gtgcaacatc caatgtgtt gccatgtttg 120
accagtcaca gattcaggag ttcaaagagg ctttcaacat gattgatcag aacagagatg 180
gcttcatcga caaggaagat ttgcatgata tgettgtctc tctagggaag aatccccactg 240
atgcatacct tgatgccatg atgaatgagg ccc                                     273

```

&lt;210&gt; 426

&lt;211&gt; 56

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 426

```

gggaaccgcc attctgcctg ggaaccgcca ttctggccgg gaaccgccat tatgac 56

```

&lt;210&gt; 427

&lt;211&gt; 365

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 427

```

ggcgcatcttct tacctgtcgg ggtgcggcga gtgtctcacc tctctgcact tccaaggact 60
cttgtcatct gccttaggcg ggaaatgctg ttgctggatt gcaaccccgga ggtggatggg 120
ctgaagcatt tgctggagac aggggcctcg gtcaacgcac ccccgatcc ctgcaagcag 180
tcgcctgtcc acctagccgc aggaagcggc cttgcttgct ttcttctctg gcagctgcaa 240
acgggcgctg acctcaacca gcaggatgtt ttaggagaag ctccactaca caaggcagca 300
aaagttggaa gcctggagtg cctaagcctg cttgtagcca gtgatgccca aattgattta 360
tgtag 365

```

&lt;210&gt; 428

&lt;211&gt; 119

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 428

```

gagcgggtggc tgagaaatgt aaggattctg gaatacatat tccatgggac tttccttccc 60
tctcctgctt cctcttttcc tgctccctaa ctttctgccc aatggggcag caccactga 119

```

&lt;210&gt; 429

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 130, 185, 246, 256, 336, 361, 385, 412

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 429

```

tttttttttt ttttttttga aataagtcaa agcattgttt atttatgaca tatttacata 60
tttacaaaac tgattttact caatacatca tcctgcgtaa tatcataaaa tgaacaccat 120
atcctgggan taaaaatcca tatttcttaa taatttatgt atagcccaac ttttagaaca 180
tagantatta tcaatttggc ttcccaaact acaaagtcct gtttataatt ttttctagcc 240
aaggancaga gtaggntcaa caggcatatt aaagtaattt agttaaccct gaggtaatta 300
ctaacttggc ataatttttg aatgggggat atatanacac ctttccatct ggcacttagg 360
ntacttatta ctattcacac tacnnttttg gtatttatcc acctcaattt tncaacttcc 420
t 421

```

&lt;210&gt; 430

&lt;211&gt; 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 430

```

gggtagccgc ttttcgtcga ctcttaccgg ttggtgggc cagctgcgcc gcggctcaca 60
gctgacgatg ggggaccca gcaagcagga catcttgacc atcttcaagc gcctccgctc 120
ggtgcccact aacaagggtg gttttgattg tgggtgcaaa aaatcccagc tgggcaagca 180
taacctatgg agtggtcctt tgcattgatt gctcagggtc ccaccggtca cttggtgttc 240
acttgagttt tattcgatct acagagttgg attccagctg gtcattggtt cagttgcgat 300
gcatgcaagt cggaggaaac gctagtgcac ctcccttttt tcatcaacat ggggtgttcca 360
ccaatgacac caatgccaaag tacaacagtc gtgctgctca gctctatagg gagaaaatca 420
aatcgctcgc ctctcaagca acacggaagc atggcactga tctgtggcct gatagtgtgtg 480
t 481

```

&lt;210&gt; 431

&lt;211&gt; 136

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 431

```

ggggtaagtt tagaaatacg gctgggcatg tccagccctg accacggcca gctctggagg 60
gctgtccttt ggctgtaccc acttgggaaga gaaagaaaaa gaaaaaaaaa aaaaaaaaaa 120
aaaaattttt tttttt 136

```

<210> 432  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 432  
 aaacaacaaa caccagaaaa attacctata ccaatgatag caaaaaacct tatgtgtgaa 60  
 ctcgatgaag actgtgaaaa gaatagtaag agggactact taagttctag ttttctatgt 120  
 tctgatgatg atagagcttc taaaaatatt tctatgaact ctgattcatc ttttcctgga 180  
 atttctataa tggaaagtcc attagaaagt cagcccttag attcagatag aagcattaaa 240  
 gaatcctctt ttgaagaatc aaatattgaa gatccactta ttgtaacacc agattgccaa 300  
 gaaaagacct caccaaaagg tgtcgagaac cctgctgtac aagagagtaa ccaaaaaatg 360  
 ttaggtcctc ctttgagggt gctgaaaacg ttagcctcta aaagaaatgc tgttgctttt 420  
 cgaagtttta acagtcatat taatgcatcc aataactcag aaccatccag aatgaacatg 480  
 acttctttag atgccaatgg atatttcgtg tgccctacag gggtcatatc ccatggctat 540  
 aaccctact caaaaaagaa gatcctgtat gccacatc 578

<210> 433  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 35, 37  
 <223> n = A,T,C or G

<400> 433  
 gcctagggtgc ccaggctatg atgagtctgc ttttnangga ggtagggaat gacatcttcc 60  
 ttggacccaa agcttaaaaag taatgtatgc tttgctgacc actgtttggt aggccttaaa 120  
 caacattcac tgtggtggtg tcaggcacac tgctatgtgc atcaattatt tttttgcttt 180  
 ccaaacagaa tctctggggc acaagtttta cactcaagct aagtataac 229

<210> 434  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<400> 434  
 tggtagcctt gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cggcgtcatg 60  
 gagctgacct ggttcccatc tactcctttg gagagaatga agtgtacaag cagggtgatct 120  
 tcgaggaggg ctccctggggc cgatgggtcc agaagaagtt ccagaaatac attggtttcg 180  
 ccccatgcat cttccatggt cgaggcctct tctcctccga cacctggggg ctggtgccct 240  
 actccaagcc catcaccact gttgtgggag agcccatcac catccccaag ctggagcacc 300  
 caaccagca agacatcgac ctgtaccaca ccatgtacat ggaggccctg gtgaagctct 360  
 tcgacaagca caagaccaag ttcggcctcc cggagactga ggtcctggag gtgaactgag 420  
 ccagccttcg gggccaattc cctggaggaa ccagctgcaa atcactttt tgctctgtaa 480  
 atttgaagt gtcattgggtg tct 503

<210> 435  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 435  
 gcgatcatgga gctgacctgg ttcccatcta ctccctttgga gagaatgaag tgtacaagca 60  
 ggtgatcttc gaggagggtc cctggggccg atgggtccag aagaagttcc agaaatacat 120  
 tggtttcgcc ccatgcatct tccatggteg aggcctcttc tctccgaca cctggggggt 180  
 ggtgcctact ccaagcccat caccactgtt gtgggagagc ccatcaccat cccaagctg 240  
 gagacca 248

<210> 436  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 436  
 atcttgtctc ttttcatcgt gatgggtgtga tgctgacgag aatatcttat gctttcttca 60  
 gcctgtttgca atctgagcca atgattttct ttgcaactgat cctttctact ctggagagaa 120  
 gctcttttga cacagatcct gccccgttta atagactcca gctgctggca ctgccttctg 180  
 agttctttca cttccgaatt cttatcgctc tgcagcccca ccacagtcaa tgactaagtt 240  
 cctctggact ttcacatgga tcgtaataga caacttcac ctgtttttct taccagaccc 300  
 taaaatgtgc ctccaagaca gtcgtgggaa cagtatggag ccagcagcag aagccactca 360  
 cgaaccaatg gaggagaaca actcagaaac agacccaagt caatctaagg ttttaactttt 420  
 ataagtcttt caagagagtc caactgtgta gtaagca 457

<210> 437  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<400> 437  
 gcttccaggt ctccttccag catccacaca agtacctgct ccactacctg gtttccctcc 60  
 agaactggct gaaccgccac agctggcagc ggaccctgt tgccgtcacc gcctggggcc 120  
 tgctgcggga cagctaccat gggcgctgt gcctccgctt ccaggcccag cacatcgccg 180  
 tggcggtgct ctacctggcc ctgcaggtct acggagttga ggtgcccgcc gaggtcgagg 240  
 ctgagaagcc gtggtggcag gtgtttaatg acgaccttac caagccaatc attgataata 300  
 ttgtgtctga tctcattcag atttatacca tggacacaga gatcccctaa ggtcctggcc 360  
 caggcctgcc caaagagaag cccaggatgg tcggctgcct ggggacattg tcaccacgtc 420  
 gccatgacgg ctggtcccca caggaccagc tgggaggact ggttgtgctg ctggagaagg 480  
 gctggagaag gcaatggcat gctgccgctt tgccagtcce taaaagtcgc ggtgcagggtg 540  
 atggtgggag ccgcgcctcc agcgggcagg ccgggagtgt actgtgtgc 589

<210> 438  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 438  
 cgcttccagg tctccttcca gcatccacac aagtacctgc tccactacct ggtttccctc 60  
 cagaactggc tgaaccgcca cagctggcag cggacccctg ttgccgtcac cgcctggggc 120  
 ctgctgcggg acagctacca tggggcgctg tgccctcgct tccaggccca gcacatcgcc 180  
 gtggcggtgc tctacctggc cctgcaggctc tacggagtgt aggtgcccgc cgaggctcag 240  
 g 241

<210> 439  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<400> 439  
 ttcagctctg caaactgtgt cacatccttt cctggaaggg cactgaccat ccgtgcactg 60  
 ccaataacc agagagctgc tccgtttcac ttccacccca ggactttatc aacttggtca 120  
 agttctgaat cccagcacat gacaacactt cagaagggtc cccctgctga ctggagagct 180  
 gggaaatatg catttggaac cttcatttgt aaatagtga c 221

<210> 440  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;222&gt; 191

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 440

```

gagctttctt aataaccgta cttctcaaaa tcagagtttt actgtttcaa taaatgttca 60
ccctagattg taagtttttt gttgttgagc cctagatttt tttctactag tgtaaatctg 120
tattccctcc aagtatggtg ataaggggac tgagtcctat ttacatttgt acaatcacta 180
ctttacctgt ngatattgca gtaagtcttt tgagccctat taaacctg 228

```

&lt;210&gt; 441

&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 441

```

tttcttaata accgtacttc tcaaaatcag agttttactg tttcaataaa tgttcaccct 60
agattgtaag ttttttggtg ttgagcccta gatttttttc tactagtgtg aatctgtatt 120
ccctccaagt atgggtataa ggggactgag tcttatttac atttgtacaa tcactacttt 180
acctgttgta tttgcagtaa gtcttttgag cctattataa cctgtcaatt ttcttgtcct 240
gtcagaaaac tgagattttg gctcaaaaat ggatgttatt aacaaagggg aacaatatag 300
atgtcttagt acaaagaaaa tgaaatgtaa gaggagattg tctggagttc aggggataga 360
gtgtcaagtc ttaaatgggt acatcttttt gctaagtgtt actcagaata tagttacaaa 420
tatggtactt aaatatctag ctgaaatttg tttgtcccat gagcttctca catgagtcta 480
ctgggcaatt ttatgtgagt tttggtcaaa attggtaatc tcttttatct t 531

```

&lt;210&gt; 442

&lt;211&gt; 147

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; 112

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 442

```

aacttggttac ccaataacaa tttaatgtta aatttggtt tcttctgtgt cccagcctct 60
taaattaata gatgggcctt tccattatca ttatgaccgg acattgtaaa gnacttaagg 120
taacaccag ttttctatta cttgccc 147

```

&lt;210&gt; 443

&lt;211&gt; 518

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 443

```

acctgaagaa tattagaaga aattgtgcac cctccacaaa acatacaaag tttaaaagtt 60
tggtatcttt tctcagcagg tatcagttgt aaataatgaa ttaggggcca aaatgcaaaa 120
cgaaaaatga atcatctaca tgtagttagt aatttctagt ttgaactgta attgaatatt 180
gtggcttcat atgtattatt ttatattgta cttttttcat tattgatggt ttggacttta 240
ataagagaaa ttccatagtt tttaatatcc cagaagtgag acaatttgaa cagtgtattc 300
tggaatacaa cacactaact gaacagaagt gaatgcttat atatattatg atagccttaa 360
acctttttcc tctaattgct taactgtcaa ataattataa ctttttaaag cataggacta 420
tagtcagcat cttagactga gaggtaaaca ctgatgcaat tagaacagggt actgatgctg 480
tcagtgttta acactatggt tagctgtggt tatgctat 518

```

&lt;210&gt; 444

&lt;211&gt; 76

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 444



gctgctcatg agcagcatgg acgacctgat acgccactgt aacgggaagc tgggcagcta 60  
 caaaatcaat ggccgg 76

<210> 445  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 445  
 gagcattatg agcattatgt cagaatagaa tagaattggg gttcgatctt aacaggccag 60  
 aaatgcctgg gtttttttgg tttgtttttg tttttgtttt tttatcaaat cctgcctgac 120  
 tgtctgcttg ttttgccctac catcgtgaca tctccatggc tgtaccacct tgtcgggtag 180  
 cttatcagac tgatgttgac tgttgaaatct catggcaaca ccagtcgatg ggctgtctga 240  
 cattttggta tctttcatct gaccatccat atccaatgtt ctcatttaaa cattaccag 300  
 catcattg 308

<210> 446  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 446  
 tgtgttaatg ttttctagca tgtactctgg tttcaacaga cacaatttta tatgttaacc 60  
 cagttttctt gccgttctgt aagtgtttta ttcttagtgt gatttttttc cattgggatg 120  
 tttttgattg aacttggtca ttttgttttg cttgggagga aaataaaca ttttactttt 180  
 ttcttttagg agcattatga gcattatgtc agaatagaat agaattggg ttcgatctta 240  
 acaggccaga aatgcctggg tttttttggg ttgtttttgt ttttgtttt ttatcaaatc 300  
 ctgcctgact gtctgcttgt tttgcctacc atcgtgacat ctccatggct gtaccacctt 360  
 gtcgggtagc ttatcagact gatgttgact gttgaatctc atggcaacac cagtcgatgg 420  
 gctgtctgac attttggtat ctttcatctg accatccata tccaatgttc tcatttaaac 480  
 attaccagc atcattgttt ataatcagaa actctggtcc ttctgtctgg 530

<210> 447  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<400> 447  
 ggacgtgcct ggaaccacct cgtccacgtc cacgtccacc tgggggcctc gggaggctag 60  
 gccctcctc aaaggccac cagcccggcg ctcatgctga gcc 104

<210> 448  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<400> 448  
 tatctttcat ctgaccatcc atatccaatg ttctcattta aacattaccc agcatcattg 60  
 tttataatca gaaactctgg tccttctgtc tggtggcact taaagtcttt tgtgccataa 120  
 tgcagcagta tggaggaggg attttatgga gaaatgggga tagtcttcat gaccacaaat 180  
 aaataaagga aaactaagct gcactgtggg ttttgaagag gttattatac ttcttaacaa 240  
 ttcttttttt cagggacttt tctagctgta tgactgttac ttgaccttct ttgaaaagca 300  
 ttcccaaaat gctctatttt agatagttaa acattaacca acataatttt ttttagatcg 360  
 agtcagcata aatttctaag tcagcctcta gtcgtggttc atctctttca cctgcat 417

<210> 449  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<400> 449  
 tttttttttt tttttttttt ttggaatcgc aagaattccc aggcctctt tttatttaca 60

```

gtgataccaa accatccact tgcaaatctt ttgggtctccc atcagctgga attaatgtagg 120
tactgtgtat ctttgagatc atgtatctgt ctcacatttg gtggatacaa gaaaaggaag 180
cacgaacagc tgaaaaagaa ggggtatcaca ccgctccagc tggaatccag caggaaacct 240
tgagcatgcc acagctgaac acttaaaaga ggaaagaagg acagctgctc ttcattttatt 300
ttgaaagcaa attcatttga aagtgcataa atgggtcatca taagtcaaac gtatcaatta 360
gaccttcaac ctaggaaaca aaattttttt ttctatttaa taatacacca cactgaaatt 420
atgtgccaat gaatcccaaa gatttggtag aaatagtaca attcgtattt gctttcctct 480
ttcctttctt cagacaaaca ccaaataaaa tgcagggtgaa agagatgaac cagcactaga 540
ggctgactta gaaatttatg ctgactcgat ctaaaaaaaa ttatgttggg taatgttaaa 600
ctatctaaaa tagagcattt tgggaatgct                                     630

```

&lt;210&gt; 450

&lt;211&gt; 596

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 450

```

tttttttttt tttttttttt tttggggtta aagttatatc ttattgccat gctacaaaat 60
gtatgaagtt ggcactgata gggagaaata gagaacaaag ggtgggaagg gatagaggga 120
aaattatgtt gttacatata caacaagggt ttattttaat taacagtggg tacgttttgc 180
caatattaaa aatgcaaacc aaaattttaa atgctgatct gaaacagcat taagatacaa 240
tgtatgcata gtacagtatc acttatgtct ttttattaga gaaatatgga atgtttataa 300
aagaaattaa ccatgggggt aaaattcata tttcatatac aatttggcaa tggtagtccc 360
actgttggac aattttttat aaaagaaaaa attaaaaatc taataagcta cttttataca 420
aagttgctat atttatgcct ttacgtagga aaaaaacatt tataatgcaa attaggacat 480
acaatagtct tacaatacta tacaatgtaa tgaaaataaa acataacaca aagtttgtcc 540
tttataaaat gtatattttg cattactaat gcaaatgtgg cacactgggt actact 596

```

&lt;210&gt; 451

&lt;211&gt; 559

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 451

```

tggcgggttg ctttccaaaa tggcgcggtg gctgaaggct gcagccgcga atgccgtagg 60
gcttttttcc agacttcaag ctccatttcc aacagtaaga gcttcttcca catcacagcc 120
cttgatcaa gtgacaggtt ctgtgtggaa cctgggtcga ctcaaccatg tagccatagc 180
agtgccagat ttggaaaagg ctgcagcatt ttataagaat attctggggg cccaggtaag 240
tgaagcggtc cctcttcctg aacatggagt atctgttgtt tttgtcaacc tgggaaatac 300
caagatggaa ctgcttcac cttgggacg tgacagtcca attgcagggt ttctgcagaa 360
aaacaaggct ggaggaatgc atcacatctg catcgagggt gataatatta atgcagctgt 420
gatggatttg aaaaaaaaag aagatccgca gtctaagtga aggggtcaaa ataggagcac 480
atggaaaacc agtgattttt ctccatccta aagactgtgg tggagtcctt gtggaactgg 540
agcaagcttg acttatatt                                     559

```

&lt;210&gt; 452

&lt;211&gt; 638

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 452

```

tggcgggttg cgttccaaat ggcgcggtg ctgaaggctg cagccgcgaa tgccgtaggg 60
cttttttcca gacttcaagc tccatttcca acagtaagag cttcttccac atcacagccc 120
ttggatcaag tgacaggtt cgtgtggaac ctgggtcgac tcaaccatgt agccatagca 180
gtgccagatt tggaaaaggc tgcagcattt tataagaata ttctgggggc ccaggttaag 240
gaagcggctc ctcttcctga acatggagta tctgttgttt ttgtcaacct gggaaatacc 300
aagatggaac tgcttcatcc attgggacgt gacagtccaa ttgcagggtt tctgcagaaa 360
aacaaggctg gaggaatgca tcacatctgc atcgagggtg ataattatta tgcagctgtg 420
atggatttga aaaaaaaaag agatccgcag tctaagtga ggggtcaaaa taggagcaca 480
tggaaaacca gtgatttttc tccatcctaa agactgtggg ggagtccttg tggaaactgga 540
gcaagcttga cttatatatt caagcaacta aattaattga cctgaaaaag cctatcaaat 600
actatcaaaa tgtactatga cattgagtcc ttcactgc                                     638

```

<210> 453  
 <211> 57  
 <212> DNA  
 <213> Homo sapiens

<400> 453  
 gactacattt ggggatgatg cattccttta agattgaatg attctgccct tgggcag 57

<210> 454  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens

<400> 454  
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 tgtttccac tgcggttatg tttcagtaaa ttagacgtac tttctgatga atactaatta 120  
 gccactgagc atttgacccc actgtctttg ctggttgtgt gcagaacagc tgccaagttg 180  
 cccaagacc tgcctatccc atccccctct ctgtctttcc acttttgggc ttcctttgcc 240  
 tagattagaa gagatttcag ttccgagaaa gtaaaagggtg atccaaggaa gtaatcaccg 300  
 agtgtctcat ggtttttcct tgttgacaaa attcaaaact cacacatgtg tagtctaagt 360  
 atagcgctag gatttaaaga aagtgtttta gtgctgtgct tatttaggac tacatttggg 420  
 gatgatgcat tcctttaaga ttgaatgatt ctgcccttgg gcagagctcc caattaggga 480  
 ggattaggta agctttttgt ggcgatgggt aataccattc ttttcctcat tgtgcctg 538

<210> 455  
 <211> 548  
 <212> DNA  
 <213> Homo sapiens

<400> 455  
 tgaatcagta ggaatgtggg gaagggagtg aggggagacc ccctccttga ctcagcagtg 60  
 gtgacggtcg gtgtgtcctg cagacctgaa gccaaagatca agggggcttg agcaccagga 120  
 gccccgcag ttgctgaatg accagcggag ggcaggtgcc agcctgtggc aaaataggaa 180  
 agaaaaggac aggatgggga cttcaccatt ttttcagcc ttaaattggt ccttaaacct 240  
 tcatgtcctt ttctctaagt tgtgttcttg tttggtaaaa taaaaaagtt tgtaaccctg 300  
 agttctctaa agatatacat tcttttttac tggtttgtga agtcagaagg atgagagctg 360  
 ctatttcttg gaaccgtgca ataaatatta gcataattcag tctcgttct gcctagagga 420  
 cctatttgc tttctttatc tcgtaaccac taactcacag gacattaacc aggggtgtcca 480  
 agaacagtct gggaaagttt tgataattac ttcagcattg ctgtgtgatg ggagacattg 540  
 ttttaaaa 548

<210> 456  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 456  
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 ctcagcagtg gtgacggtcg gtgtgtcctg cagacctgaa gccaaagatca agggggcttg 120  
 agcaccagga gccccgcag ttgctgaatg accagcggag ggcaggtgcc agcctgtggc 180  
 aaaataggaa agaaaaggac aggatgggga cttcaccatt ttttcagcc ttaaattggt 240  
 ccttaaacct tcatgtcctt ttctctaagt tgtgttcttg tttggtaaaa taaaaaagtt 300  
 tgtaaccctg agttctctaa agatatacat tcttttttac tggtttgtga agtc 354

<210> 457  
 <211> 570  
 <212> DNA  
 <213> Homo sapiens

<400> 457  
 cttttatagg attcatttaa aggtgaataa aataatgaat gtgaaactca tattagagct 60

```

taacatatag tagtaatgat ttataaaata tttgcctccc ttagaccaga gcagctacta 120
aatttgattt taataataag ataaacaaat taataagatc acaaagttgt tatgtaataa 180
cataaacagc tgtgttaaaa ttagtagtga cccatatcaa agaaacacaa ttacaaagag 240
attaagaagg ataatattta aagtgtagct ttactcagtc ttttgtgtga aggtattctt 300
agggataaaa caatgtattt ggaagctgct ggaagaatat ggtgcaaaga atatttttaa 360
atgcttgtga atgttctgta accacaaaca tagatacata acagatcaaa gacatatttt 420
agactgccat gtggacttaa atcatgggag gcggaagagt ggctcccaa agaggactat 480
atcgtaatac cagaacttgt gaatatatta ctttaagtgg caaaagggac tttacagatg 540
tgattaaaat taaggacctt gaaatggggg

```

&lt;210&gt; 458

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 458

```

aactagactt cttttataggt attcatttaa aggtgaataa aataatgaat gtgaaactca 60
tattagagct taacatatag tagtaatgat ttataaaata tttgcctccc ttagaccaga 120
gcagctacta aatttgattt taataataag ataaacaaat taataagatc acaaagttgt 180
tatgtaataa cataaacagc tgtgttaaaa ttagtagtga cccatatcaa agaaacacaa 240
ttacaaagag attaagaagg ataatattta aagtgtagct ttactcagtc ttttgtgtga 300
aggtattctt agggataaaa caatgtattt ggaagctgct ggaagaatat ggtgcaaaga 360
atatttttaa atgcttgtga atgttctgta accacaaaca tagatacata acagatcaaa 420
gacatatttg agactggcat gtggacttaa atcatgggag gcggaagagt ggctcccaa 480
agaggactat atcgtagtac cagaacttgt gaatatatta ctttaagtgg caaaagggac 540

```

&lt;210&gt; 459

&lt;211&gt; 622

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 459

```

acttaagatt ttttcaatgt aagaaaaatg caatgaaata atagctgcaa ataccacta 60
ctaacaattg cttggccttc ttatatagac ctcccgaggt tctcatcttt tacatttcag 120
gagtagaatc agttaaaaac taatctttat atgtaaggga tgagagagag aaaggaggag 180
gtatgtgtat gcacacatgt gtgtgtgtgt ggtgggtagt aattttaatt caatgattta 240
ctagagttcg atgtcgtttg ctgataaatg aagcaggagg aagagccagg tttggagggg 300
acgagagaat gagttccatt tgtctcatat agaagttgaa gtaactgagt gatgatgggt 360
agagatgtcc ctacggggta gccacagtat tttatttact tttatttcac cacatgcagc 420
aaggagcttt gttctccaaa atgctgtcaa ttatttttct aaattacagg tttgattgct 480
tcaactgtatt ttcattgtctc attactacct ttacgcttaa aaccagaaac tgtgccacag 540
cgttaaagat tctgctaact tttaaaatac agaactctgg agatgccata attagattgc 600
agatttatga gtcttctgga ta

```

&lt;210&gt; 460

&lt;211&gt; 378

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 460

```

acaatgggtt tgttctctgc cttataaatt gggggattct agaggagtct gcttttctcc 60
caagaaggac ctcttctttt cttgcttttc atatgctctc cttgagatat cttgggtatt 120
ctcatggctt taaatagcac ttatatccag aagactcata aatctgcaat ctaattatgg 180
catctccaga gttctgtatt ttaaaagtta gcagaatctt taacgctgtg gcaaagtttc 240
tggttttaag cgtaaaggta gtaatgagac atgaaaatac cgtgaagcca tcaaacctgt 300
aatttaaaaa aataattgac agcatttttg agaacaaagc tccttgctgc atgtggggaa 360
taaaaagtaa ataaaata

```

&lt;210&gt; 461

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 461

```

ccttctgctc tacgagaact atgggcagtc ggaaacggga ctaatttgtg ccacctactg 60
gggaatgaag atcaagccgg gtttcatggg gaaggccact ccaccctacg acgtccaggt 120
cattgatgac aagggcagca tcttgccacc taacacagaa ggaaacattg gcatcagaat 180
caaacctgtc aggcctgtga gcctcttcat gtgctatgag ggtgaccagc agaagacagc 240
taaagtggaa tgtggggact tctacaacac tggggacaga ggaaagatgg atgaagaggg 300
ctacatttgt ttcctgggga ggagtgatga catcattaat gcctctgggt atcgcatcgg 360
gcctgcagag gttgaaagtg ctttgggtga gcaccc 396

```

&lt;210&gt; 462

&lt;211&gt; 529

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 462

```

tttttttttt tttttttttt ttttttcggt agaaatgggg ttttaccatg ttgccaggc 60
tagtctcgaa ctctctgggt taagcaatcc acacacctcg cttccaaaaa agctgggggt 120
acaggtgtga gccatcacac ccagcctaata atacaatctc aaatattttg ttttaaatca 180
ttacttactg aactataaag taaaactaat ttttagacag cattttaata catattttac 240
tttttaaggg ttataaagaa aacactaaca atatggaaaa tgcatattta aagaaaattg 300
aaatcaaata taatcttatg gctcaaaatc attagtgtta atattttgat acctaccttc 360
cccatctttt gcctacgaat actgggttaa gagtttttaa atagttttgt ccttgctttg 420
taattttcgt atgttctcac aaaagagaag ctgaggaagc atttggctat tgggaaaatt 480
aattaataga tgttaactta ccaagatata ctataataga ttagacagc 529

```

&lt;210&gt; 463

&lt;211&gt; 485

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 463

```

tttaaaagtaa atgactcatg ttgaggaaag aggttattac ctaaactctgg actgcggcct 60
aaggaaattc ccttaacctc tattctggtt toctatttca aaatgggtgt gtaggaggct 120
aatggaagtt agttggttgc tatgatccaa aaactctatg ggtgaaaatt taaagtacag 180
atttcttatt taatcgtaa acagcttttag ttgtgagttc tatgtcctgg tataatggat 240
cctgattatt aatgcattaa atatgcattc agtgaattca aatgttgcta attattcttt 300
taccaatcaa agaaaactca aagcatggga ttaagagggg ttggccaaaa gtatttggac 360
caggttgcat accaggacca tgaagaaatt gagaacagag cctacatctt ttatactatg 420
gctcaaagca agggctgttg gaatgtgctg cttctccaaa gtaggactta tgaaaaaatg 480
aggg 485

```

&lt;210&gt; 464

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 464

```

tattcagcatc tgtagaggag aaagcagaat aagcactggg gtatttgata gacttgagaa 60
taagagaacc ccaaagtgtt caataggtat ttgctagaaa gttcagtggg tcagggtggg 120
aatagcagct gaaattggca gggattttga ctattcaaat aatgggtgag tagaagggat 180
ctgtggaata gccattatga cctcttgaaa ccaggcaact aggggggtccc ttctagaatg 240
atgctgcgta cctaagaaat tcagtaggga gtggagtcaa aatgatcaga aaagatagag 300
atagttgttg caaaagatga tctaagagtg tgtgtgtatg tgtgtgagtg agagagagaa 360
atctcaagaa atagtggcta tgggtgtgaa cactacatga aagcaacctt aaacagctgt 420
gtgaagttag aaaaggtact ctggaccata ttgccctgta aaagctcagg aaaactaatt 480
ttgcataaac ataagcaaca ggaattatt gctgtcaaat ctcatcaga gttattgtac 540
aaaaaaagag acaagaatcc ctatagacaa tgaaag 576

```

&lt;210&gt; 465

&lt;211&gt; 459

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 465

```

ttatctaacg tttctaacag ggggtgtaat gatattagca gcaagagcta tgagaaataa 60
cttttagacat tatttcattg aaccttccca actgaaatta ttttatgatg ttataacatg 120
gataagtaact caagtagcaa taagttacac agttgtgccca tttgtgcttc tttctataaa 180
accatcactc acgtttttaca gctcctggta ttattgcctg cacattcttg gtatcttagt 240
attatcgttg ttgccagtga aaaaaactca aagaaggaag aatacacatg aaaacattca 300
gctctcaciaa tccaaaaagt ttgatgaagg agaaaattct ttgggacaga acagtttttc 360
tacaacaaac aatgtttgca atcagaatca agaaatagcc tcgagacatt catcactaaa 420
gcagtgatcg ggaaggctct gagggctgtt tttttttt 459

```

&lt;210&gt; 466

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 466

```

tatacccagg atattatcta acgtgtctaa caggggtgtt aatgatatta gcagcaagag 60
ctatgagaaa taactttaga cattatttca ttgaaccttc ccaactgaaa ttattttatg 120
atgttataac atggatagta actcaagtag caataagtta cacagttgtg ccattttgtg 180
ttctttctat aaaaccatca ctcacgtttt acagctcctg gtattattgc ctgcacattc 240
ttggtatctt 250

```

&lt;210&gt; 467

&lt;211&gt; 509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 467

```

atactttatc tattttcggg caacttgctt ccctcatgaa ccatggacat ctcaatgtgc 60
cattacacac aggagttata tgtaggtat tggtgtccca ttttacagaa gagaatccgc 120
aaggttcaca gagtgaatca taggcataaa gtccttcagg tggtaaattg caaggctggg 180
gttccaacca gtcttctctg gctccaggga ctggctcctt cagactacat ttcaccagct 240
gcctccagga acagaagacg ggaattcacc tttcatgcga catataccag aaacgtggac 300
ctcagccacc ctgggtccta tttgatcccc agggccttca tttggccctc gaataaaaaac 360
cttatttttt tatctcctta cctttcccag aattcatagt aggacttggc tggtgaaagg 420
ctgggttgctg agaaggctac agtgtggcta ggctgcagtt ccctgttatt acattgcccc 480
aggatattaat attgtatatt taggcagct 509

```

&lt;210&gt; 468

&lt;211&gt; 554

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 468

```

ggatttcaaa tctgagatga tactttatct attttcgggc aacttgcttc cctcatgaac 60
catggacatc tcaatgtgcc attacacaca ggagttatat gttagggtatt gttgtcccat 120
tttacagaag agaatccgca aggttcacag agtgaatcat aggcataaag tccttcagggt 180
ggtaaattggc aaggctgggt ttccaaccag tcttctctgg ctccaggggac tggctccttc 240
agactacatt tcaccagctg cctccaggaa cagaagacgg gaattcacct ttcattgcgac 300
atataccaga aacgtggacc tcagccaccc tgggtcctat ttgatcccca gggccttcat 360
ttggccctcg aataaaaaacc ttattttttt atctccttac ctttccaga attcatagta 420
ggacttggct ggtgaaaggc tggttgctga gaaggctaca gtgtggctag gctgcagttc 480
cctgttatta cattgcccc ggtattaata ttgtatattt aggcagctgt tctcatccgt 540
gcctggcagt gaaa 554

```

&lt;210&gt; 469

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 469

```

attctgaccc cattgtgcac cttagtcac gcaaactttc cagttgctcc ttgccaaaac 60
tcaagaataa aagggcccaa gctagagagg ctgtcctcac aagcatcagc tgctgggggc 120
ttccactcat ttctctctga aacaacagag aaagagacca tctctcattc gcagagcagc 180
ccaaggcctt ctgaggagac tgtgagtctc ctctaagtca ttctctctctg cttttagtagca 240
gtggagctac caagggtgag atgagcaggt tgagaggcct ctgaagcctg ctgggcacaa 300
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gctgctgctc agaggcccta ggtgctgcgc tgctcactgc cctcacgtct ctgggacttc 420
cacacataaa gccatctctt tccattgcac tatggcactt gtagggagga tcccacactt 480
agggcccaaa atgagaccat ttgagtcaaa tttctaattg tctttcaaat tttatta 537

```

&lt;210&gt; 470

&lt;211&gt; 492

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 470

```

attctgaccc cattgtgcac cttagtcac gcaaactttc cagttgctcc ttgccaaaac 60
tcaagaataa aagggcccaa gctagagagg ctgtcctcac aagcatcagc tgctgggggc 120
ttccactcat ttctctctga aacaacagag aaagagacca tctctcattc gcagagcagc 180
ccaaggcctt ctgaggagac tgtgagtctc ctctaagtca ttctctctctg cttttagtagca 240
gtggagctac caagggtgag atgagcaggt tgagaggcct ctgaagcctg ctgggcacaa 300
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gctgctgctc agaggcccta ggtgctgcgc tgctcactgc cctcacgtct ctgggacttc 420
cacacataaa gccatctctt tccattgcac tatggcactt gtagggagga tcccacactt 480
agggcccaaa tg                                     492

```

&lt;210&gt; 471

&lt;211&gt; 509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 471

```

aagacattca aattagccac cactggagta gatgacctaa aagttcttac aactctcaat 60
tataccagtg gatgtctcga ttagcactta ttataaaaat taaaatttat aattcaacat 120
ttataccatc cagaaaaagt taaaatatat taatagccta ttctcttca ataaagcgta 180
tatataactc tatttgttaa tgttctctatt ctccatgaca ttctgtttat agataagccc 240
tatgtctatt ctagtcaagt gctaactctt tgaatgaagc tgaattaggt agtcaactac 300
tagatgtatc ctgaaaagca agtaatgtgt atatttcatt tattttatac ataagagcta 360
cagactgttg tcacaatctt ttcaagggct attaaattca ttattttaac taacattttt 420
gaacatctgt cttatgttgt taattgagga catttctgaa tgtataacaa cataagaata 480
atagttgtta aacttcaaag agatgacag                                     509

```

&lt;210&gt; 472

&lt;211&gt; 649

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 472

```

caaattagcc accactggag tagatgacct aaaagttctt acaactctca attataccca 60
gtgatgtctc gattagcact tattataaaa attaaaattt ataattcaac atttatacca 120
tccagaaaaa gttaaaaatat attaatagcc tatttctctt caataaagcg tatatataac 180
tctatttgtt aatgtttcta ttctccatga cattctgttt atagataagc cctatgctat 240
ttctagtcaa gtgctaattc cttgaatgaa gctgaattag gtagtcaact actagatgta 300
tcctgaaaag caagtaattg gtataattca tttattttat acataagagc tacagactgt 360
tgtcacaaat ttttcaaggg ctattaaatt cattatttta actaacattt ttgaacatct 420
gtcttatgtt gtttaattgag gacatttctg aatgtataac aacataagaa taatagtttt 480
taaaacttcaa agagatgaca ggttaatgag taaaggagaa atatgaaata tcacagaatt 540
ccttgacact aaatgatgtt ttgcaaatat tgaacagaat gatgtttgta aactttccac 600
tggttttcaa gagtcccaaa acattaggaa aatgtacatc acctaactt                                     649

```

<210> 473  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 473  
 atatcagaag taaaacaatt tttcttggtg actgctttgg taaaaaacag tttgatggat 60  
 agttttacat ttcactggac tagataaaaa atgggtgctaa tatttatgta gcttgatgct 120  
 atagttgctt tggatcaaaa cttaatcctt aaccatata agatccttat tatataattt 180  
 tgtgatcagt aaaatgatat tttaaagagt gatcttaaaa atatgacctg gtcattgcac 240  
 aacgtttgca tttgaaatga atttttgtac tatagggtgg atatggagtt attcagtgc 300  
 agtgtgtgct taatatcaaa ccctatgcaa ggagctatgt ctgatttttt ggtccgaatt 360  
 tgcctccttc aagcctacta gtgtgagatg gaaaaaaatc gattgctctt ttaatatatt 420  
 ttccattttg aaattctcga cacttgaatg aaggcagtag aagcctcttt ttggatttct 480  
 cttctaataa caaa 494

<210> 474  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<400> 474  
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 gtatcaaaact taatacctaa cccatataag atccttatta tataattttg tgatcagtaa 180  
 aatgatattt taaagagtga tcttaaaaaat atgacctggt cattgcacaa cgtttgcat 240  
 tgaaatgaat ttttgacta taggggtgat atggagttat tcagtgcagg tgtgtgctta 300  
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 attctcgaca cttgaatgaa ggcagtagag gcctcttttt ggatttctct tctaataaca 480  
 aaactttatt tagggaagg ttcctgtgct tatcgtaagt ttgttttgag cactgcattc 540  
 actttaaaat tctggaggaa caaaggctgg gcacataatc acaaagccca ggccacacaa 600  
 taattccggg gttgtatttt ctaagaacta 630

<210> 475  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 475  
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 tttttttttt cccccctttt tttttttttt tttccc 156

<210> 476  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<400> 476  
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 ggaaccgtct gagcggccta acccgcgccc gggtagagac ctgcgggga tgacagctga 180  
 accgcctaaa ggaggtgaag gctttcgtca cgcaggacat tccattctat cacaacctgg 240  
 tgatgaaaca cctccctggg gccgaccctg agctcgtgct gctgggcccgc cgctacgagg 300  
 aactagagcg catccactc agtgaaatga cccgcgaaga gatcaatgcg ctagtgcagg 360  
 agctcggctt ctaccgcaag gcggcgcccc acgcgcaggt gccccccgag tacgtgtggg 420  
 cgcccgcgaa gccccagag gaaacttcgg accacgctga cctgtaggtc cgggggcgcg 480  
 gcggagctgg gacctacctg cctgagtcct ggagacagaa tgaagcgctc agcatcccg 540  
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<210> 477



&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 477

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ggcttagcgg ataacaattt cacacaggag ctagcagaca ccacaagata ccaacagagc 60
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tattgaaaga aggaaagaag ttgaaagcat cttgaagaaa aactcagatt ggatatggga 180
ttggtcaagt cggccggaaa atattccccc caaggagtgc ctctaaacac ccgaagcgca 240
cggccaccct cagcatgagg aacacgagcg tcatgaagaa agggggcata ttctctgcag 300
aatttctgaa agatttcctt ccattctctgc tgcctctca tttgctggcc atcggattgg 360
ggatctatat tggaaaggcg gtgacaacct ccaccagcac cttttgatga agaactggag 420
tctgacttgg ttcgttagtg gattacttct gagcttgcaa catagctcac tg 472

```

&lt;210&gt; 478

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 478

```

tctacactta aagctttgga gcaattccca tcgaccagag ttggtccgac cagccttggga 60
aaggctcactg aaaaatcttc aattggacta tgggtgacctc tatcttatac attttccatt 120
gtctgcaaag ccagggtgagg aagtgatccc aaaagatgac aatggaaaaa tactatttga 180
cacagtggat ctctgtgcca catgggaggc catggagaag tgtaaagatg cacgattggc 240
caagtccatc ggggtgtcca acttcaacca caggctgctg gagatgatcc tcaacaagcc 300
agggtcaag tacaagcctg tctgcaacca ggtggaatgt catccttact tcaac 355

```

&lt;210&gt; 479

&lt;211&gt; 510

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 479

```

aagactactg aatctgctac caaaacagtg aatcagtgag tcgatgttct attttttgtt 60
ttgtttcctc ccctatctgt attcccaaaa attactttgg ggctaattta acaagaactt 120
taaatgtgtg tttaattgta aaaatggcag ggggtggaat tattactcta tacattcaac 180
agagactgaa tagatatgaa agctgatttt ttttaattac catgcttcac aatgttaagt 240
tatatgggga gcaacagcaa acagggtgcta atttgttttg gatatagtat aagcagtgtc 300
tgtgttttga aagaatagaa cacagtttgt agtgccactg ttgttttggg ggggcttttt 360
tcttttcgga aatcttaaac cttaagatac taaggacgtt gttttgggtg tactttggaa 420
ttcttagtca caaaatatat tttgtttaca aaaatttctg taaaacaggt tataacagtg 480
tttaaagctc cagtttcttg cttggggaac 510

```

&lt;210&gt; 480

&lt;211&gt; 371

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 480

```

ttccgttgct gtcggaattg aggaagagct gggggatgaa gctcgctttg ccggacataa 60
cttccgtaat ccagtggtgc tgtgattcct ctgcttgccct ggagacgtgg aacctctgtc 120
tcacctcctt ggaaccttgc tgcctgatc tgtgatagtt caccctctga gatccctga 180
gccccagggt gcccagaact tccctgattg acctgctccg ctgctccttg gcttacctga 240
cctcttgctg tctctgctcg cctccttttc tgtgccctac tcattggggt tccgcacttt 300
ccacttcttc ctttctcttt ctctcttccc tcaaaaacta gaaatgtgaa tgaggattat 360
tataaaagg g 371

```

&lt;210&gt; 481

&lt;211&gt; 543

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 481

```

aattccgttg ctgtcgggtg ctggaggcca tcctccagaa ctctcctgac gccaaaatct 60
tctgcctggg gcacaaaatg gatctgggtc aggaggatca gcgtgacctg atttttaaag 120
agcgagagga agacctgagg cgtctgtctc gcccgctgga gtgtgcttgt ttctgaacgt 180
ccatctggga tgagacgctc tacaaagcct ggtccagcat cgtctaccag ctgattccca 240
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ttctgctgtt cgaaagagct acattcttgg ttatttccca ctaccagtgc aaagagcagc 360
gcgacgtcca ccggtttgag aagatcagca acatcatcaa acagttcaag ctgagctgca 420
gtaaattggc cgcttccttc cagagcatgg aagttaggaa ttccaacttc gctgctttca 480
tcgacatctt cacctcaaat acgtacgtga tgggtggtcat gtcagatccg tcgatccctt 540
ctg 543

```

&lt;210&gt; 482

&lt;211&gt; 415

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 482

```

ggcttactca ctatagggtt tttttttttt tcgggtctat tctttaattt tactaaatta 60
ggaacgcagc ttttacagaa caaataaccc caggggacgg ggcccccca ggatctaaca 120
gcttttcagg gagctatggt gcaagctcaa aagtaatcca ctaacgaacc aagtcaaaact 180
ccagttttta ataaaaagg gctgggggag gttgtcaaac cccttccaat ataaatcccc 240
aatccgatgg ccaccaaagt aaaaagcacc agggatggaa ggaaaacttt caaaaattct 300
gcaaaaaata tgcccccttt tttaatgacc ctccgggttc taatgctaag gggggccgcc 360
cccttcgggg gttaaaaaag gaactccttg gggggaatat tttccggccg acttg 415

```

&lt;210&gt; 483

&lt;211&gt; 240

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 483

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tttttttttt taaagtcatt gaggccatgg ggttggcttg aaaccacctt tgggggggtcc 60
aatcccttcc ttttttgctt aaattttatg tatacgggtt cttcaaatgc gtggtagggg 120
ggggggcatc catatagtcc ctccagggtt atggagggtt cttctactat taggactttt 180
cgcttcaaaa caaaggcttt tcaaatcatg aaaattttta attttcctgc tgttaaaaaa 240

```

&lt;210&gt; 484

&lt;211&gt; 293

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 484

```

tttttttttt aataaatctc ctaaggggat ggctactttt tctatctaaa taataatata 60
tagacctatt cgatcagaga tacaggggac taacaatcac aatcctgtga tcgacatccg 120
aacataagtc actatctatc agaataaaca atgatccaac gaataataga ggagtaaggg 180
gacatgtcca aagcatcagg tatcgatcat atcgaaaacc actgtcaagc aagacacaaa 240
caaacaaaac agctttacac acaagtcagc agtccaagcg ttcatgtccc aag 293

```

&lt;210&gt; 485

&lt;211&gt; 221

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 485

```

tttttttttt tcaagggaca ctttaatggt taacttaagg gatcatcaat ttgacctcac 60
tacctacaaa gggaaatttca tcttgtcccc atgctgagta gggaaacagg gacaaagtta 120
atcataatac cctacatcaa aaaaaaacta agctaactct gctaactttt tttttaacag 180
gcaaaatata aatatatgcc ctctaaaatg cccaagggtt t 221

```

&lt;210&gt; 486

&lt;211&gt; 563

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 486

```

ttccggttgct gtcgcctccg ctctgctctt cgtggaacac gaccgtggtg cccggccctt 60
gggagccttg gggccagctg gcctgctgct ctccagtcaa gtagcgaagc tcctaccacc 120
cagacaccca aacagccgtg gcccagagg tcctggccaa atatgggggc ctgcctaggt 180
tggtggaaca gtgctcctta tgtaaatga gccctttgtt taaaaaaca ttccaaatgt 240
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cactgcagat tcaggaccag cttgggctgc gtgcgttctg ccttgccagt cagccgagga 480
tgtagttgtt gctgccgtcg tcccaccacc tcagggacca gagggctagg ttggcactgc 540
ggccctcacc aggtcctggg ctc                                     563

```

&lt;210&gt; 487

&lt;211&gt; 271

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 487

```

ctcatatggt caggctcgtt caaaaaggaa gatgaaatcc cagagactgt ctggttgag 60
atgcttgatg ctgcaaagaa caagatgcga gtgaagatca gctatctaatt gattgccctg 120
acggtggtag gatgcatctt catggttatt gagggcaaga aggctgcca aagacacgag 180
actttaacaa gcttgaactt agaaaagaaa gctcgtctga aagaggaaag agctatgaag 240
gccaaaacag agtagcagag gtatccgtgt t                                     271

```

&lt;210&gt; 488

&lt;211&gt; 342

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 488

```

ggcttgtaat acgactcact atagggcttt ttttttttcg aattaaaaaa attccgtag 60
ccttttctcc atctcctcta attctggtag catctttgga cccctaacac ttggcatctg 120
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tgtgttacta tttcaaaagc actactcggg gcacaggggt acaaatttct tatggccact 240
agcatctttt ttcaattttc aaaggaatca tcaaacatct gggtaatta tacttaaatt 300
acagaagccc ggaatttttag gcaacaggcc cctcatttta cc                                     342

```

&lt;210&gt; 489

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 489

```

tttttttttt aaaaagtcatt ggaggccatg ggggttggtt gaaaccagct ttgggggggtt 60
cgattccttc cttttttgtc taaattttat gtatacgggt tcttcaaatg tgtggtaggg 120
tggggggcat ccatatagtc actccagggt tatggagggt tcttctacta ttaggacttt 180
tcgcttcgaa gcgaaggctt ctcaaattcat gaaaattatt aatattactg ctgttagaaa 240
aatgaatgag cctaccgatg ataggatgtt tcatgtggtg tatgcatcgg ggtagtccga 300
gtaacgtcgg ggcattccgg ataggc                                     326

```

&lt;210&gt; 490

&lt;211&gt; 55

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 490

```

tttttttttt tttttttttg agaaaccggg ggggggtttt tttttaaaat tgggg 55

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 <211> 558  
 <212> DNA  
 <213> Homo sapiens

<400> 491  
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 cagtggttag gggcgagcag ctggccaggc tacgtgcgcc ccctgcccc cgcgcgcac 180  
 gagagccccg cagtggccgc gccgcctac agccgcgcgc tcagccggca actcagcagc 240  
 ggggtcttcg gagatccggc aactgcgga ccgctggcgc gtgtccctgg atgtcaacca 300  
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 gctgcccccc ggtgtggacc ccaaccaagt ttctctctcc ctgtcccctg agggcacact 480  
 gaccgtggag gccccatgc ccaagctagc cacgcagtcc aacgagatca ccatccagct 540  
 caccttcgag tcgcgggc 558

<210> 492  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 492  
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 ccttcaggtt ggcgtgagag gcaatgactc gttacctgcc gccatcacc ttggaggcct 180  
 tccctggcct tgagtagaaa agtcggggat cggggcaaga gaggtgagat acggatggga 240  
 aactattgtg cacaagtctt tccagaggag tttcttaatg agatatttgt atttatttcc 300  
 agaccaataa atttgtaact ttgcgaaaaa aaaaaagccc tatagttagt cgtattacaa 360  
 gccgaattcc 370

<210> 493  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<400> 493  
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 tgccggagga gtggtcgcag tggtaggcg gcagcagctg gccaggctac gtgcgcccc 180  
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 ccctggatgt caaccacttc gccccggacg agctgacggt caagaccaag gatggcgtgg 360  
 tggagatcac cggcaagcac gaggagcggc aggacgagca tggctacatc tcccgggtgt 420  
 tcacgcggaa atacacgctg cccccgggtg tggacccac ccaagtcttc tcctccctgt 480  
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 agatcaccat cccagtcacc 560

<210> 494  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 494  
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 agatttacgc cgatgaatat gatagtgaat tggatttttg cgtaggtttg gtctaggggtg 120  
 tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa tacagctcct 180  
 attgatagga catagtggaa gtgagctaca acgtagtacg tgcgtgttag tacgatgtct 240  
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 cctagggctc aaagcactgc agcagatcat ttcatattgc ctccgtggag tgtggcgagt 360  
 cagctaaata ctttgacgcc ggtggggata gcgatgatta tggtagcatc atcctgtgtg 420  
 aaattgttat ccgctaagcc gaa 443

<210> 495  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 495  
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 gtaaacacag atttgcttaa aataaagctg attttaaaag cccacaaaag ttgaacacaa 120  
 aggagaggat taaattcccc aatgcagagt gataaaaagg aaaagatcct gagtaggtgc 180  
 cttcagcaaa aaactgatca tccagggtga tcacctata atcggagact taattcctta 240  
 taatgcaaa 249

<210> 496  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 496  
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 agctgcgcgc tgaaggccgg caagacagcg agcgggtgcgg gcgaggtggt gcgctgtctg 180  
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 ctgctggacg agcagcaggt aaacgtgctg ctctacgaca tgaacggctg ttactcacgc 300  
 ctcaaggagc tgggtccccc cctgccccag aaccgcaagg tgagcaagggt ggagattctc 360  
 cagcacgtca tcgactacat caggggacctt cagttggagc tgaactcgga atccgaagtt 420  
 ggaacccccg gggg 434

<210> 497  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 497  
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 tgataggatg tttcatgtgg tgtatgcac gccggtagtcc gagtaacgctc ggggcattcc 180  
 ggataggccg aaaaagtgtt gtgggaaaaa agtttagattt accccgatga atatgatagt 240  
 gaaatggatt ttggcgtagg tttggtctag ggtgtaccct gagaataggg gaaatcagtg 300  
 aatgaagcct cctatgatgg caaatacagc tcctattgat aggacatagt ggaagtgagc 360  
 tacaacgt 368

<210> 498  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 498  
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 ccatgggcat catcatcgtc atgagtgcaa aatgcaaatg caagtttggc cagaagtccg 240  
 gtcaccatcc aggggagact ccacctctca tcaccccagg ctgagcccaa agctgatgag 300  
 gacagaccag ctgaaaattg gtggaggacc gttctctgtc cccaggctct gtctctgcac 360  
 agaaacttga actccaggat ggaattcttc ctctctgtct gggactcctt tgcatggcag 420  
 ggcctcatct cacctctcgc aagagggtct ctttgttcaa ttttttttta tctaaaatga 480  
 tt 482

<210> 499  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 499  
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 agagggggccc atggattaac gccctcatcc caaggtccgt cccatgacat aacactccac 180  
 acccgcccca gccaaacttca tgggtcactt tttctggaaa ataatgatct gtacagacag 240  
 gacagaatga aactcctgcg gctctttggc ctgaaagttg ggaatgggtg ggggagagaa 300  
 gggcagcagc ttattggtgg tcttttcacc attggcagaa acagtgagag ctgtgtggtg 360  
 cagaaatcca gaaatgaggt gtagggaatt ttgcctgcct tcctgcagac ctgagctggc 420  
 tttggaatga ggttaaagtg tcagggacgt tgcctgagcc caaatgtgta gtgtggtctg 480  
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<210> 500

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 500

ggaatcaccg ctttgccatc ttcaa 25

<210> 501

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 501

aacttctacc gtttcgccac taagg 25

<210> 502

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 502

gaccgtgtac tgcgtgtcgt gcg 23

<210> 503

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 503

gcgtgctgtg cgctcatgtgc cag 23

<210> 504

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 504

gccgtcttca ggcaacaact ccca

24

<210> 505

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 505

tgctggacga ggctgtcatc ttgc

24

<210> 506

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 506

acagggagaa aactggttgt cctgg

25

<210> 507

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 507

aaggcagaac ccatccactc caa

23

<210> 508

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 508

gctgctggat tcgtttggca taact

25

<210> 509

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 509

tcaatacggg ttgcttaggt cgtcg

25

<210> 510

<211> 24

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Oligonucleotide primer

&lt;400&gt; 510

tctcctctga gttcaaccgc tgct

24

&lt;210&gt; 511

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Oligonucleotide primer

&lt;400&gt; 511

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24

&lt;210&gt; 512

&lt;211&gt; 406

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 512

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Lys	Glu	His	His	Asn	Gly	Asn	Phe	Thr	Asp	Pro	Ser	Ser	Val	Asn	Glu
			20					25					30		
Lys	Lys	Arg	Arg	Glu	Arg	Glu	Glu	Arg	Gln	Asn	Ile	Val	Leu	Trp	Arg
		35				40						45			
Gln	Pro	Leu	Ile	Thr	Leu	Gln	Tyr	Phe	Ser	Leu	Glu	Ile	Leu	Val	Ile
	50				55					60					
Leu	Lys	Glu	Trp	Thr	Ser	Lys	Leu	Trp	His	Arg	Gln	Ser	Ile	Val	Val
65					70				75						80
Ser	Phe	Leu	Leu	Leu	Leu	Ala	Val	Leu	Ile	Ala	Thr	Tyr	Tyr	Val	Glu
				85				90						95	
Gly	Val	His	Gln	Tyr	Val	Gln	Arg	Ile	Glu	Lys	Gln	Phe	Leu	Leu	
		100					105					110			
Tyr	Ala	Tyr	Trp	Ile	Gly	Leu	Gly	Ile	Leu	Ser	Ser	Val	Gly	Leu	Gly
	115				120							125			
Thr	Gly	Leu	His	Thr	Phe	Leu	Leu	Tyr	Leu	Gly	Pro	His	Ile	Ala	Ser
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Val	Thr	Leu	Ala	Ala	Tyr	Glu	Cys	Asn	Ser	Val	Asn	Phe	Pro	Glu	Pro
145					150					155				160	
Pro	Tyr	Pro	Asp	Gln	Ile	Ile	Cys	Pro	Asp	Glu	Glu	Gly	Thr	Glu	Gly
			165						170					175	
Thr	Ile	Ser	Leu	Trp	Ser	Ile	Ile	Ser	Lys	Val	Arg	Ile	Glu	Ala	Cys
		180						185					190		
Met	Trp	Gly	Ile	Gly	Thr	Ala	Ile	Gly	Glu	Leu	Pro	Pro	Tyr	Phe	Met
	195					200						205			
Ala	Arg	Ala	Ala	Arg	Leu	Ser	Gly	Ala	Glu	Pro	Asp	Asp	Glu	Glu	Tyr
	210				215						220				
Gln	Glu	Phe	Glu	Glu	Met	Leu	Glu	His	Ala	Glu	Ser	Ala	Gln	Asp	Phe
225					230				235					240	
Ala	Ser	Arg	Ala	Lys	Leu	Ala	Val	Gln	Lys	Leu	Val	Gln	Lys	Val	Gly
			245					250					255		
Phe	Phe	Gly	Ile	Leu	Ala	Cys	Ala	Ser	Ile	Pro	Asn	Pro	Leu	Phe	Asp
		260						265					270		
Leu	Ala	Gly	Ile	Thr	Cys	Gly	His	Phe	Leu	Val	Pro	Phe	Trp	Thr	Phe
		275					280						285		



Phe Gly Ala Thr Leu Ile Gly Lys Ala Ile Ile Lys Met His Ile Gln  
 290 295 300  
 Lys Ile Phe Val Ile Ile Thr Phe Ser Lys His Ile Val Glu Gln Met  
 305 310 315 320  
 Val Ala Phe Ile Gly Ala Val Pro Gly Ile Gly Pro Ser Leu Gln Lys  
 325 330 335  
 Pro Phe Gln Glu Tyr Leu Glu Ala Gln Arg Gln Lys Leu His His Lys  
 340 345 350  
 Ser Glu Met Gly Thr Pro Gln Gly Glu Asn Trp Leu Ser Trp Met Phe  
 355 360 365  
 Glu Lys Leu Val Val Val Met Val Cys Tyr Phe Ile Leu Ser Ile Ile  
 370 375 380  
 Asn Ser Met Ala Gln Ser Tyr Ala Lys Arg Ile Gln Gln Arg Leu Asn  
 385 390 395 400  
 Ser Glu Glu Lys Thr Lys  
 405

&lt;210&gt; 513

&lt;211&gt; 1221

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 513

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&lt;210&gt; 514

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 514

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 actccatggc acaaagtatt gccaaacgaa tccagcagcg gttgaactca gaggagaaaa 240  
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&lt;210&gt; 515

&lt;211&gt; 186

&lt;212&gt; DNA

<213> Homo sapiens

<400> 515

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ttcctt 186
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<210> 516

<211> 118

<212> DNA

<213> Homo sapiens

<400> 516

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cttcaccta tctatcatta actccatggc acaaagttat gccaaacgaa tccagcag 118
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